



#### "What's in a name ..."

Dean

David E. Fenske
Isaac L. Auerbach
Professor and Dean

a young woman once asked of her starcrossed love. In tragedy or technology, the answer is the same: a lot. Of all the questions and feedback I have received since we published the first issue of our College magazine, "Why Bridge" is perhaps the most common.

Fundamentally, a bridge is a connector; it links disparate elements, it joins, it unites. At the College of Information Science and Technology, our vision is to empower society by uniting people, technology, and knowledge through innovative education and research.

We strive to provide people with the power to harness the world of information, to connect

world around us and unite nothing.
The students, alumni, and staff of the iSchool at Drexel live our ideals daily. To a person, lowledge they are intelligent individuals with the humility to learn, the knowledge to evolve, and the courage to challenge. They often achieve

with others, to share ideas. I believe that our

teaching and our innovation gives individuals

the ability to participate in the advancement

This vision is reflected in how we present

ourselves as a unique institution, and in our

individuals are connected via the society they

with common interests and goals. This allows

share, our identity as the iSchool at Drexel

joins us to a larger community of colleges

us to work jointly to advance the public's

understanding of the information sciences,

knowing that doing so benefits not just our

Our symbols, our mottos, and our infra-

of knowledge to empower society, and the

Most importantly, however, our vision is

generation of IT students to community

in the community at large is one of its

reflected in what we do.

ultimately collaborative essence of progress.

From programs that seek to excite the next

partnerships to educate the next generation

of IT leaders, our commitment to innovative

teaching is strong. The iSchool's involvement

defining characteristics. It is part and parcel

of who we are. Without it, we ignore the

individual institutions, but ultimately the world.

structure also partake of our vision, reflecting

our belief in the nature of information, the use

involvement with a larger whole. Just as

of society as a whole.

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We welcome your feedback! Please send comments to bridge@ischool.dexel.edu

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far beyond reasonable expectations, setting

# BRILLIE

fall 2006

a high bar, but encouraging and inspiring others by their example.

Finally, our faculty and their research continue to define innovation. Advances in knowledge, however, will come less and less from lone scientists toiling in obscurity and more and more from collaborations of researchers pushing at the boundaries of their respective disciplines until their edges meet.

The iSchool at Drexel is a continuing leader in this new paradigm. The inception of several Centers of Excellence in emerging fields, including Healthcare Informatics,

## Our vision is to empower society by uniting people, technology and knowledge.

Bioinformatics, and Knowledge Management, places the College of Information Science and Technology at the leading edge of research in the 21st century. That this is signaled by favorable rankings in *U.S. News & World Report* is icing on the cake to an already proud Dean.

So, why *Bridge*? Because the word exemplifies who we are and what we do as an institution. Because we believe that a small magazine can do its part to unite a large and ever-growing community. Because our College is a span by which our students enter society. Because a bridge's importance lies not in itself, but in the connections it creates.

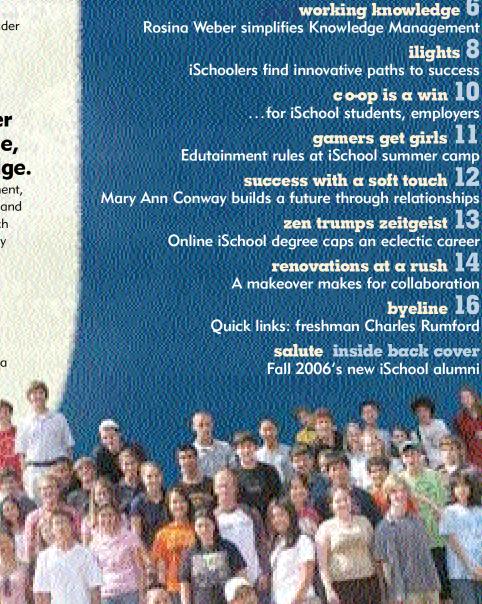
Governor's
School gives
high school
juniors a peek
at college life
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Scot Silverstein M.D. prescribes pragmatism for healthcare IT seniors grab the bus

Senior Design Challenge yields new transit ideas

high school to iSchool 5

Future students enjoy a peek at college life





By computerizing health records, we can avoid medical

care...in ten years."

—President George W. Bush

mistakes, reduce

costs and improve

—President George W. Bush State of the Union Address, January 20, 2004

he crowd roared. The President beamed. Scot Silverstein shook his head.

Trained in medicine, computer science and Medical Informatics at Boston University and Yale School of Medicine, Scot Silverstein M.D. has observed the progress of healthcare IT (HIT) initiatives since the 1970s. "I think most of us who study the issues involved find the President's timetable extremely optimistic," he deadpans.

Assistant Professor of Healthcare Informatics and IT and Director of the iSchool's Institute for Healthcare Informatics, a joint initiative with Drexel's College of Nursing and Health Professions and the School of Public Health, Scot is no luddite.

"Healthcare IT can achieve many of the President's healthcare goals, and more [see sidebar]. One of the obvious benefits is accuracy. The Institute of Medicine's report To Err is Human stated that medical error may kill 100,000 Americans every year. IT can greatly reduce those mistakes."

But after decades of hands-on experience developing HIT systems, Scot warns against naive optimism. "We're in danger of repeating the UK's experience. A few years into their national HIT program, they've spent billions of pounds on what many are calling a train wreck."

#### Promise and pragmatism

Across the Delaware River, Drexel Nursing alumna Cara Paulmeno, R.N. prepares a patient's medicine in the ICU at Our Lady of L o u rdes Medical Center. She scans the bar code on a bottle and instantly the PC at her elbow confirms drug, dose, patient cautions and other key data.

Cara makes it look easy: a few clicks and she has the right meds. So why not distribute that software, train caregivers, and consign medication errors to history's dustbin?

Scot demurs. "The reality in most HIT departments falls far short of that standard.

"Clinical computing and business computing are very different. But IT people tend to view their job through a top-down, prescriptive model.

"So a consultant designs a system after perfunctory consultation with the medical staff—who are forced to order revisions, additional training, tutorials, enhanced interfaces, and so on. The cost skyrockets while the users either work around the 'solution' or reject it outright. I wonder if some HIT people forget that their role is to serve the needs of clinical care, not the other way around."

#### Rx: medical informaticist

Scot decries this status quo. "Back in 1969, [HIT pioneer] Dr. Donald Lindberg said, 'computer experts have no idea of the problems of medical practice, and [underestimate] their complexity.'"

To ensure viable HIT systems, Scot recommends "the appointment of a guiding authority who understands both medicine and computers—a medical informaticist.

"We need to harness the talents of programmers under the steering control of the health professionals who will use them. The software has to fit the workflow and situations that arise in the healthcare setting, n o t force clinicians into square holes."

Left: Scot Silverstein, M.D. discusses a usability issue with Clinical Director Fran Gelo, R.N. of Drexel's 11th Street

Below: Attuned to users' needs, Scot compares notes with 11th Street's

Family Health Services

Tamika Corbin

Scot's HIT website has become a magnet for Kafkaesque tales of HIT chaos. But his experience shows that it doesn't have to be this way.

Beforejoining the iSchool, Scot led the design and implementation of Christiana Care Health System's Enterprise Electronic Medical Records system and specialized research information systems. The 1100-bed Delaware healthcare provider reports "substantial, quantified improvements in immunization rates, preventive care delivery, appropriate treatment of chronic diseases and error prevention"—and significant savings in high-risk, high-volume areas.

To make Christiana's experience the norm instead of a rare exception, the iSchool's new Center is conducting research, coordinating HIT initiatives in Drexel's own healthcare settings (including the offices of the 11th Street Family Health Services), and publicizing the issues. Industry heavyweights such as the Gartner Group and the American Medical Informatics Association have highlighted Scot's efforts.

"We're making progress," Scot says. "But there's a long way to go.

"I'm teaching a course to iSchool students who are considering HIT as a specialty. Smart young people are becoming aware that this is a field that's ready to explode."

Pulling a paperback from his bookshelf, he smiles ruefully. "But in the entire field, this is the only textbook that deals with organizational and sociological impediments to success —that is, the 'people factors.' Clearly we have a lot of educating to do."

### **Healthy horizons**

Former National Coordinator for Health Information Technology David Brailer, M.D., Ph.D. remarked last year, "Used as intended, [healthcare IT] saves lives and saves money." Scot agrees that the potential benefits justify the expense if we can get it right. The technology can

- link clinicians for fast, efficient care
- personalize health records and data
- advance public health by mining millions of individual health histories
- reduce medical errors
- reduce healthcare inequality in remote or underserved locations

Success stories are starting to appear. Trade publication *Imaging Economics* reports that "Imaging procedure volume at Primary Children's Medical Center in Salt Lake City increased 25% since 1997, but turnaround time for those studies decreased by 15% during that same period," with the introduction of a picture archiving and communications system (PACS) for x-rays and other visualization tools.

For an enlightening, amusing, alarming look at HIT, visit Scot Silverstein's website: www.ischool.drexel.edu/faculty/ssilverstein/medinfo.htm.



he Southeastern Pennsylvania
Transit Authority (SEPTA) and
the Center City District (CCD)
got on board with the iSchool
this year, partnering with student
groups on senior design projects.
The collaboration shows how young
ideas could help improve 738,000
daily commuters' experience.

Senior Design Projects—functional information systems projects designed for real-world settings—are the pinnacle of an

iSchool student's academic career. In a mandatory series of three

### SEPTA is very interested in [the RAPID] idea."

—iSchool professor Thomas J. Smith, Senior Design Challenge Advisor

capstone classes, seniors learn about project management, form groups to define the scope and purpose of a project, then create and implement their information systems.

Of the roughly 15 projects created each year, five are selected to compete in the Senior Design Challenge, in which each team presents their project to a packed room and a panel of faculty judges. The winning team walks away with \$2,000.

Unique this year, the participation of outside organizations was mutually beneficial. The iSchool engaged the community and gave students the opportunity to work with local groups, and SEPTA and the CCD I e a med ways to use the GPS devices installed on every city vehicle to inform riders in real time about arrivals and delays.

Two projects emerged from the collaboration. RAPID collates the position data and arrival times of

SEPTA's fleet.
Commuters can access that information via a website and can register to

receive arrival-time updates for their route via cell phones and PDAs. RAPID went on to take third place in the

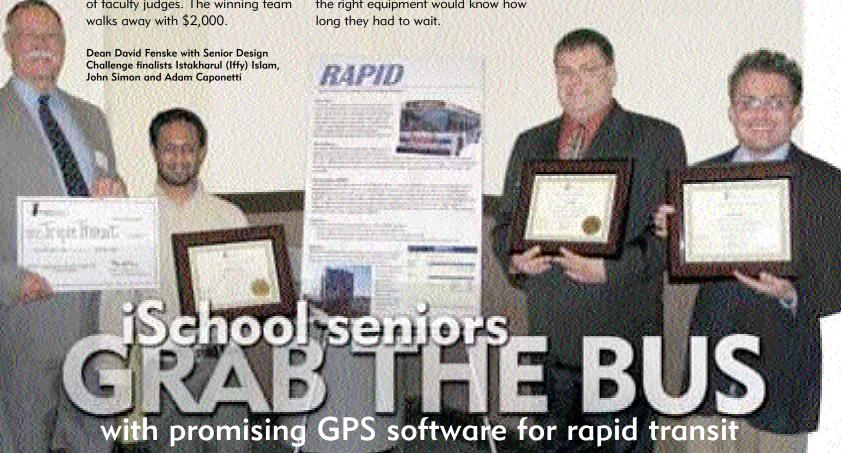
Senior Design Challenge.

The second project to emerge extends RAPID with sensors at bus stops to receive the collated position information and then broadcast it to nearby Bluetooth-equipped devices. At any city bus stop, commuters with the right equipment would know how long they had to wait.

Although it didn't make it to the final five, "SEPTA is very interested in that idea. It's the one they're just buggy about," reports Thomas J. Smith, iSchool professor, and advisor for Senior Design projects. Future iSchool students will continue to develop both systems.

In coming years, the College hopes to involve other area organizations in the Senior Design Projects. Their p resence often injects a needed dose of reality into sometimes fanciful notions. Businesses, it seems, like to have their facts straight.

"The thing I'm most interested in is documentation, because that's the way things work in the outside world," Smith says. "And of course, that comes as a big shock to the students because they figure they can just throw some code together." With events like the Senior Design Challenge and the continuing partnership of local organizations, the iSchool aims to ensure its students are armed with the experience to know better.





## Governor's School is a springboard from high school to iSchool

or freshmen, starting college can be like jumping into the deep end without swimming lessons. But a group of tech-minded high school students can dip their toes into the pool of college life and even swim a few laps.

The Pennsylvania Governor's School for Information, Science and Technology, offered each summer to qualified high school juniors, provides a five-week taste of the iSchool. While exploring information technology, Governor's School participants room in Drexel dormitories, make friends and experience living and studying at a forward-thinking urban university.

Thomas J. Smith, the iSchool professor who runs the Governor's School program, notes that "Classes introduce the group to everything from computer programming to ethics and the implications of technology in society. We host students with a considerable range of interests—from hard-core techies to those interested in computers as a means to an end. Heavy computer proficiency isn't a prerequisite."

To a high school junior who might otherwise be working a part-time job or lounging by the pool during summer vacation, the Governor's School schedule might look like real work. Wall-to-wall classes and labs fill the daily calendar, with weekends taken up by group activities including talent shows, contests, and outings at museums and sporting events.

But Professor Smith says his college newbies rise to the challenge with enthusiasm. "We try to focus on enjoying the experience."

The program culminates in a project based on a choice of themes. This year's topics included technology to help teachers, such as software to generate flash cards and a role playing game that focuses on spelling.

"We see some very creative ideas," smiles the director. "The students have a lot of fun with these projects."

While the program gives students an edge over their peers in technology and academics, Professor Smith notes that it also prepares them for the often choppy waters of freshman life. "One of the main things they learn is how to be a college student . . . living the dorm life, eating dorm food and getting up to make that 9 a.m. Monday class. It's summer camp with a lot of hard work."

t's April 2009. Twilight infiltrates the office where environmental biologist Gina Macauley stares at test results for a sample of brackish water from the tidal marshes fringing Maryland's Chesapeake shoreline. Its chemical signature betrays the presence of an unknown pathogen. Anthrax?

Gina's training in littoral ecosystems bardy touched on infectious diseases. But Dr. Rosina Weber is working to make sure Gina can find accurate, detailed and pertinent scientific data on how anthrax propagates. Fast.

An iSchool assistant professor, Rosina wants to replace the anarchic state of knowledge management with a far more efficient one. Funded by the Environmental Protection Agency and the Department of Homeland Security, her KM project for CAMRA (the Center for Advancing Microbial Risk Assessment) seeks to enhance computers' power to assist researchers.

#### We expect computers to react as a person."

Rosina believes humans often ask computers to do things they aren't good at, while preventing them from doing what they do best. "We use the technology the same way we used what it replaced, like notebooks."

And humans tend to anthropomorphize the computer.

"We expect the computer to react as a person. When it doesn't, we

blame the stupidity of the computers, of the programs, of the programmers and everything else."

The results: frustration, inefficiency and waste. Part of the solution, she asserts, is for humans to reprogram our assumptions about how to interact with computers and knowledge management software.

osina's quest strikes a sympathetic chord with anyone clicking through the fifth page of red-herring results in an Internet search. But for scientists and clinicians charged with defending the nation against microbialthreats, knowledge management is literally a matter of life and death.

She wants to reconcile us with our cyberservants by helping us adapt to the ways they organize and retrieve data. "Computers excel at knowledge

management," she notes, "Particularly at classifying collective knowledge to maximize its usefulness to everyone."

Gaining insight in previous studies of how large organizations collect and share data, she has amassed considerable expertise on what works or doesn't work . . . and why.

Rosina contends that there's often plenty of knowledge available, but no efficient way to gather, catalog and distribute it. Helping people utilize that collective knowledge is the goal



of her CAMRA project.

Building a repository of knowledge on what the government refers to as biological agents of concern, CAMRA is gathering data on everything from weaponized biological agents to naturally-occurring communicable diseases. The task is manifold: understand how biological agents spread and infect humans, study the pathology of those infections, then examine government countermeasures and possible public responses.

To be effective, CAMRA must make it easy for scientists, clinicians and officials to access and add to this vast data store. Rosina's contribution is a regime to ensure that researchers share knowledge, collaborate and build on it.

Informed by case-based reasoning, she's creating standards for the way "knowledge artifacts"—the nuggets of wisdom accumulated in researchare stored, recalled and incorporated in a knowledge repository.

Dr. Rosing Weber is determined to help researchers and clinicians access and augment information

Rosina laughs at the suggestion that she's a cybertsarina. "I just want to take a small group of people and show that I can help them leverage and share knowledge.

"We're hoping that the case-

to convey a real idea."

based model, rather than one based on unwieldy and inaccurate keyword searches, will make this system a better tool for CAMRA—and really, any group needing to manage information.
"You can't use keywords

exemplify the way data

searching is being done backwards. You can't use keywords to convey a real idea or thought."

he case-based system requires users to realign their thinking to a more computer-friendly model. Rosina's plan entails a strict data-entry format: users detail what they learned, the conditions under which they learned it, what caused them to learn, and a context for further use of the knowledge. People searching for information will have to provide equally detailed, case-based criteria to obtain the most helpful results.

"We must go to users and tell them, hey, computers are not what you're thinking," she observes. "They have their limitations.

"If you want your computer to work well for you, you have to work with it."

But she recognizes that her plan must accommodate humans: "People are in a hurry, and naturally they take the route of least resistance." So her system includes incentives.

"One motivation to follow such a detailed process is that it ensures the accuracy and specificity of the results from a later search. Scientists are used to working methodically, and selfinterest will help maintain discipline."

There's a bigger prize. Once a

sizable repository of knowledge exists, users will be able to perform

what librarians call environmental scanning—searches for every bit of material on a related topic and identify gaps in knowledge.

Rosina's contribution to CAMRA has far-reaching potential for any organization or group that seeks to share knowledge, but especially for researchers and scientists who work across national boundaries. As she points out, "Research funding from now on is not going to be defined by lone scientists. We need to embrace collaboration, and I'm hoping my work contributes to that goal." \*

The Environmental Protection Agency and the Department of Homeland Security look to the iSchool's Dr. Rosina Weber to connect the dots in our

working knowledge

## people who bring the iSchool to life

## Sean Bakst makes his own breaks

hen healthcare IT (HIT) is a reality, it will have CHIME written all over it. A prime advocate of HIT, CHIME—the College of Healthcare Information Management Executives—comprises hospitals, entrepreneurs, industry giants like Dell and Intel—and one iSchool senior.



"There I was," recalls Sean Bakst of a recent CHIME conference, "Sitting not ten feet from [Intel CEO] Craig Barrett."

Heady stuff, but Sean has always reached high. Director of Information Systems for Wilmington's Delaware Back Pain, a multilocation provider, he explains his technology bug with equanimity.

"I've always been hands-on. When I was six, I fixed the garbage disposal." The next year, "I literally chased a Comcast truck to ask for a part to fix my mom's TV."

Not every foray ended well. After surgery on a record player, Sean plugged it in. "There was a big blue spark—and the plug exploded."

Miscues like that might inspire caution, but Sean was undeterred. "In seventh grade," he continues, "I set up a satellite receiver in my bedroom. Then one day the FBI called my parents asking about a security breach."

In his zeal to aim the antenna, Sean had dialed into the government's data centers for satellite tracking information—inadvertently accessing forbidden servers.

Sean's entrepreneurial drive brought him to Drexel's iSchool, where a casual decision proved

> momentous. "I had to pick a topic for a paper in Dr. [Randy] Kaplan's class. I wrote about the barriers impeding IT in physicians' practices."

Research led Sean to CHIME's website.
"I started to fill out the membership
application, but then I changed my mind.

"Turns out the application sent each page as I clicked 'next' at the bottom. A few days later I got a phone call from CHIME, wanting to know more about me."

Within weeks he was rubbing elbows with Barrett and other IT giants. "I was the youngest person in the room by a couple of generations. I pretty much just kept my mouth shut."

His CHIME credentials landed him a spot on the technical committee of the Delaware Health Information Network (DHIN), where he's helping to develop requests for proposals, specify functional requirements, and establish salaries.

Sean's iSchool senior design project addresses human needs in a very different setting. "We're making an RFID [Radio Frequency Identification] location system for firefighters.

"Everyone who responds to a fire wears a tag with a photo, name and information like that. The RFID chip will help make it possible to track people inside a building."

It's a digression from HIT, but fitting when Sean reveals that he serves as a volunteer fireman and rescue diver.

"I believe we all owe it to our community to give back," he declares quietly. "You can't just sit back when everybody can do something to make the world a better place."

### Cathay Crosby takes her career off the shelf

rexel graduate student Cathay Crosby knows from personal experience how far an iSchool education can take someone—and how fast.

A self-described "analog" librarian three years ago, Cathay is now helping her workplace charge into the digital age, while she pursues a Master's degree in Library and Information Science at Drexel.

Now living in Newark, Delaware, Cathay began her library career shelving books as an Evergreen State College undergrad in Washington two decades ago.

"It was one of the most enjoyable and meaningful jobs I've had, and I've had a lot of jobs," she laughs.

Graduation and marriage brought new challenges as Cathay decided to home school her children.

Though long absent from the professional library world, she

found herself frequenting the stacks again as a mother and teacher, preparing lesson plans for her children and guiding their own tentative steps into the world of research.

In 2001, Cathay decided to give the library profession another shot when she noticed a job posting at the Cecil County Public Library, just over the border in Elkton, Maryland. She took the position and for three years applied the skills she developed as her children's teacher to her new role creating programs for young readers.

The work rekindled her interest in a library career, and she was pleased to find one with both an excellent reputation and a campus close to home.

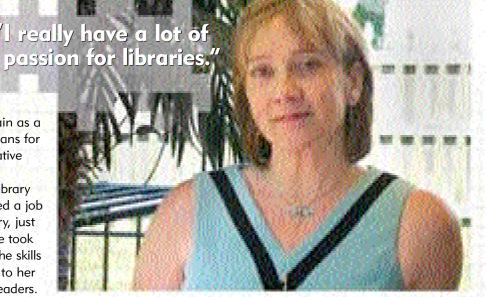
"Drexel is renowned in my field," she remarks.
"I want to do something meaningful in my life and the iSchool has given me the tools."

Those tools have enabled her to quickly shift her focus from youth programming to her new roles as Webmaster, computer trainer and now Electronic Services Librarian.

Cathay was recently named one of a small handful of Maryland librarians chosen to join in the Gates Foundation's *Rural Sustainability*  program. After a week in Seattle, they'll take part in a forum at the American Library Association Annual Conference, then begin passing on their knowledge to Maryland's librarians.

"What an opportunity," she smiles. "I can't express how much of a positive difference Drexel's program has made to my life, and how marvelous it is to turn this back around—to be the best librarian I can for my immediate and extended service communities.

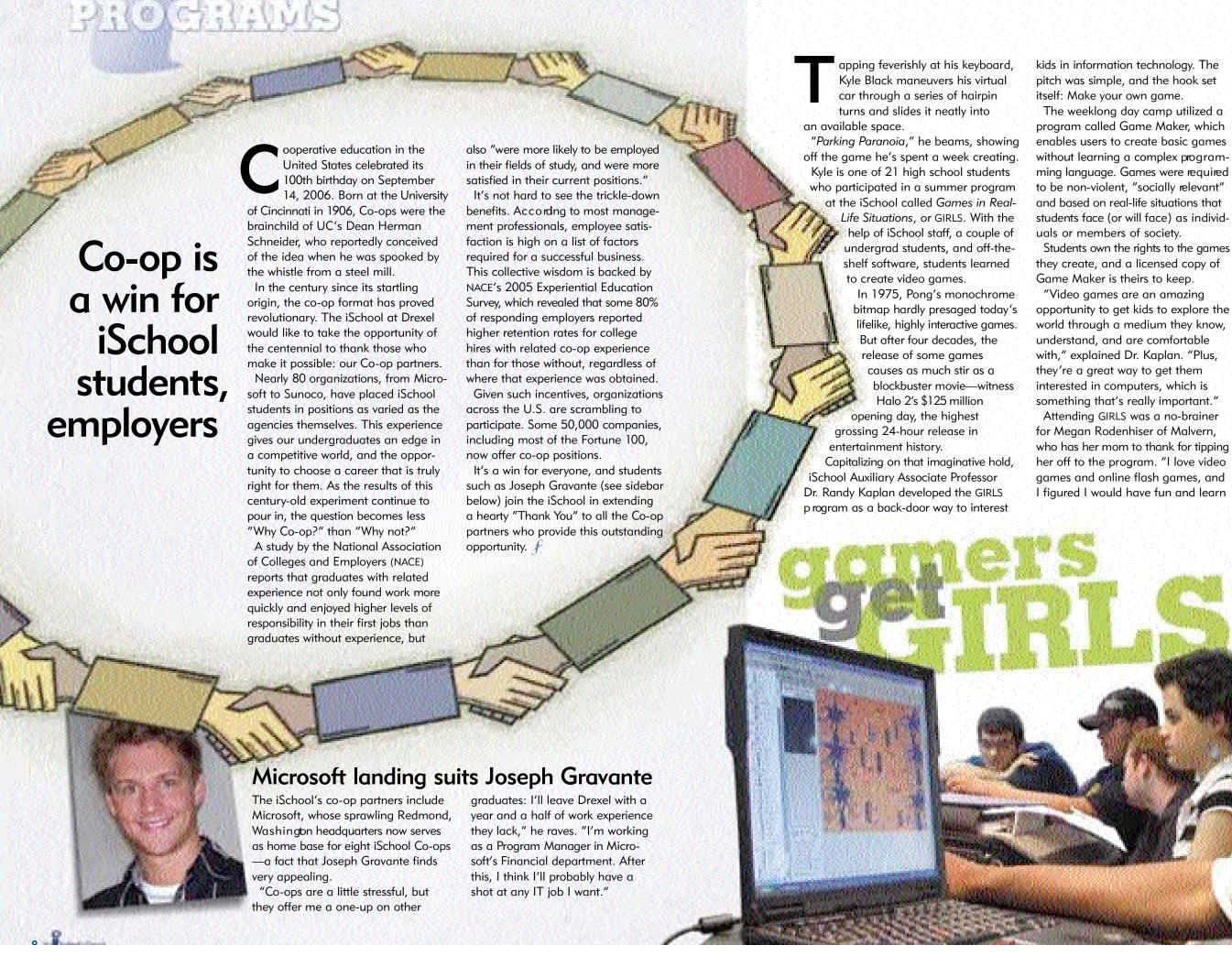
"Technology and the Internet are driving a lot of change for libraries and librarians, and we need to embrace that. My options are wide



open now . . . it's pretty exciting."

Cathay acknowledges that libraries are institutions in flux, but she emphasizes their essential place in American democracy. And she's delighted that her iSchool education is enabling her to reinforce that role.

"I really have a lot of passion for libraries, and their services for people and for our freedoms, as well," she muses with conviction. "In this day and age, I want to be an advocate of freedom of information and the professionalism that makes that possible."



about the Game Maker language and the coded functions of video games," Megan smiles.

Ruthie Kroah, Assistant Director of Marketing at the iSchool, hopes Megan's interest in technology continues. "One goal of GIRLS is to educate high school students about the many directions in which a degree in information technology can take you."

She gestures toward the crowd around an adjacent PC. "These students could be future alumni."

That possibility didn't escape the high schoolers either, as they peppered current iSchool undergrads Jessica Murphy and Christoph Shipley—who helped administer the program—with questions about college life.

The camp climaxed with a "game fair" in which students sampled the games their peers had created that week. Dr. Kaplan even tried his hand, though students noted with glee that he didn't do very well.

"The joke is on them," Dr. Kaplan laughs, crashing his car yet again.
"They hardly realize they're learning."



n 1892, Information Science at Drexel consisted of a certificate program lodged with the Institute of Art in the Main Building. Today, the College of Information Science and Technology offers eight degree programs and has its own building. Change comes with the territory, but it doesn't always come free. Enter Mary Ann Conway.

As the iSchool's Director of Development, Mary Ann is charged with finding the resources to enable the College to fulfill a wishlist including

Mary Ann Conway cultivates
Soft-touch success

new buildings, technology, and opportunities for deserving students. It's a hard job, but one that Mary Ann pursues with a soft touch.

"I'm about as low-key as possible. I like to let people get to know me a little, and bring it down to a very personal level. That's part of my philosophy about this," Mary Ann notes of an attitude she carries from her days at Big Brothers, Big Sisters.

Always on the lookout for opportunities to support iSchool initiatives, Mary Ann spearheads an effort to boost corporate support. Partnerships have been established with Numonics Corporation, Genesis Microsystems, Canon Business Solutions, and IBM. Contrary to popular belief, money isn't everything.

"In-kind contributions are great," Mary Ann says. "A goal of ours is to increase technology integration in the classroom, so the Numonics Corporation donated an interactive whiteboard. It's a wonderful gift."

Another source of fundraising is alumni, and Conway hopes former students will remember the excellent

> education and great relationships they acquired at the iSchool.

"They're definitely a pretty tight-knit group," she notes of alumni.
"The staff and faculty in this College are amazing people. Students feel very connected to them and as a result you build a strong support base. We're not one of the larger colleges, but it's like a family here."

One of the most rewarding avenues of alumni generosity is scholarships.

Mary Ann realized that firsthand.

"I have a son who's starting college in the fall," she said, "and I now have this incredible perspective on how valuable a scholarship is to students and their families." It's often less
the size of a scholarship
that determines its impact, but who
it benefits and how. Mary Ann points
to the David and Joanne L Witiak
Endowed Fund: Joanne is an
alumna from the class of '79. Their
scholarship partially supports a single
undergraduate student throughout
college instead of being awarded to
a new recipienty early. Such generosity has the power to influence a
student's entire life.

Some things on Mary Ann's wishlist are more tangible than others. One of the most obvious ways the iSchool benefits from fundraising is through facility upgrades and renovations, like those under way at the Rush building (see story, page 14).

In the long term, Mary Ann emphasizes that contributions help keep the iSchool at the top of its game academically, as shown by favorable 2006 rankings from U.S. News and World Report. "That's something we're really proud of and want people to know about," she beams.

With Mary Ann Conway's help, such good news will no doubt become commonplace. Who knows, students 114 years from now may smile at the quaint brick building that once housed the iSchool.

ith eclectic talents, an open mind and a questing spirit, Tori Orr has navigated Japan, the military, high tech, the ad business and the art community. When she chose to pursue an interest in library science, she navigated to the iSchool's online Master's program.

Tori applies her varied experience, and the skills gained through her Master's degree in Library and Information Science, as Manager of Information Services for the Montana State Library.

"I was a lab tech at Knight Library in college [at the University of Oregon, Eugene]," she recalls. "I think library work is a natural extension of other work I've done."

With undergraduate degrees in English and fine and applied art, Tori "arrived" at the iSchool in 2002 after serving in the U.S. Air Force, building and designing a Star Trek fan site, and creating a marketing department within DentsuFUSE, a subsidiary of Japan's largest advertising agency.

Though busy with her high-powered career, Tori kept a foot in the art world as a museum curator and prolific painter. Her Japanese sojourn steeped her in the Asian aesthetic, nurturing a fondness for Zen simplicity that colors her art and lifestyle.

After barreling through four major technology jobs and a freelance career, she decided to take a break. But for Tori, taking a break meant breaking new ground at the iSchool.

Drexel proved a fruitful and inspiring choice. "I'm so grateful to the teachers I had ... I'm blown away by their support and enthusiasm."

The returning student's own enthusiasm helped earn her the 2004 ASIST/Pratt-Severn Award for outstanding student research paper. Crediting Katherine W. McCain as a majorinspiration and motivator, she

"There's a tidal wave that's coming toward brarians."

won the a w a rd by myself. I'm glad Dr. McCain saw my talents and helped me exploit them."

Tori applies those new-

insists "I couldn't have

technology talents in the world of traditional libraries, but she encourages library science students to look beyond the stacks to imagin

to look beyond the stacks to imagine how their skills can be employed in the broader digital world.

"Companies need information organizers more than ever.

"There's a tidal wave that's coming toward librarians. We can either get swallowed by a company like Google, or rise above it and surf on it."

Pressed to compare her chosen field to the lucrative positions she has enjoyed, Tori invokes a characteristically Zen perspective. The benefits of her new job are less tangible, but ultimately more rewarding. "It's like teaching," she concludes thoughtfully. "You really do it because you want to contribute something to the community."

# For Tori Orr, Zen trumps Zeitgeist



patients as the Rush Hospital for Treatment of Consumption and Related Diseases.

Then, the focus was on keeping the building's residents away from others to stem the spread of the highly contagious disease.

How things have changed.

These days, rather than isolation, the word at the Rush building is collaboration. A number of ongoing and planned renovations aim to encourage students and faculty to interact, share knowledge and occasionally even relax.

Many of the improvements call attention to the high-tech studies taking place at the iSchool. Others upgrade the school's common areas the areas most in need of a 21stcentury facelift was the lobby. With an eye to marketing the iSchool to prospective students, a better first impression was paramount.

"The lobby looks nothing like before -everything's new in there," notes Thao Danz, iSchool Director of Administrative Services. "It's now a welcoming communal area."

Completed in June, the lobby is now a gateway and "information commons" with wireless networking, an animated information kiosk, a case displaying work by students and faculty, and new seating.

Frosted-glass partitions evoke a futuristic lightness, and their writable surfaces bear the sketched record of

The lobby's emphasis on casual, collegial space will inform renovations in

the second and fourth floor lounges. Adjoining the lobby,

the iSchool's

—Dean David Fenske

"A lot of the changes

arise from the idea

of collaboration."

Computing Resource Center is also changing dramatically. New workstations and offices organize the space, with room left over for a wireless laptop lounge that's still to come. Here, too, the theme of shared workspaces influences the redesign.

Balconies overlooking the courtyard are being refurbished as pleasant, leafy outdoor collaborative nodes.

in our college," explains iSchool Dean David Fenske.

> "We wanted students to have spaces where they can congregate and discuss ideas," he continues, tracing a finger along one of the lobby's glass

writeboards. "I think it's essential to provide opportunities for them to collectively generate thoughts outside

Renovations "outside of class" include a coolly reimagined Alumni Garden. New bike racks, paving stones and plants grace the commons, and Rush's brick walls are emerging from their mantle of ivy.

power outlets.

Thao adds that a water fountain and lush new grass will make the space more convivial for students and faculty from throughout the university. "This is definitely a place where a lot of people gather. It's very popular . . . kind of a refuge."

As an external manifestation of the iSchool's evolving identity, the new Rush building complements the versatile, cutting-edge institution it houses. Smiling, Dean Fenske recalls a recent visit by a colleague who commented on the impression, "Now, this is the iSchool."

harles Rumford, first-year iSchool IT student and photographer for Drexel's student newspaper The Triangle, offers rapid-fire answers to our reporter's probing questions. Favorite class at the iSchool? → INFO 101: Because I had some previous knowledge and could go further with it. One thing to have on a deserted island? -> A computer with an internet connection. Favorite progamming language? → PHP Hypertext Preprocessor, or PHP for short. Favorite movie one-liner? -> It's actually an Alexander Pope quote, but it's in the movie "The Eternal Sunshine of the Spotless Mind." How happy is the blameless Vestal's lot! The world forgetting, by the world forgot. Eternal sunshine of the spotless mind! Each prayer accepted, and each wish resigned. Favorite iSchool event? → The iSchool Challenge. Last book you read? → The Design of Everyday Things. Favorite politician? → John Sherman from Ohio. He served in Congress on and off in the late 1800s. I like him because he's responsible for the Sherman Antitrust Act, which helps prevent corporate monopolies. If you could have dinner with any person, live or dead, who would it be? → Linus Torvalds, developer of the Linux operating system. Where's the best place on campus to take a nap? congratulations → The Triangle staff lounge. There are no windows, the doors lock, and it has a comfortable couch. If you could transport the iSchool to any location in the world, where would it be? → Dublin, Ireland Where do you see yourself in 10 years? → Owning my own network support or architecture company.