Student Name

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Education

Drexel University **Graduation: June 20XX**

Bachelor of Science in Computer Science, Minor in Mathematics & Data Science

Technical Skills

Languages: Python, Java, C, Bash, HTML/CSS, JavaScript, TypeScript, SQL (MySQL, PostgreSQL)
Libraries: Flask, FastAPI, Pandas, Numpy, TensorFlow, Keras, OpenAI, Django
Frameworks: React.js, Node.js, Express, Angular
Real-time & 3D: WebRTC, WebSocket, Three.js, React Three Fiber, Mapbox GL
Tools: Git, JIRA, Confluence, WordPress, Postman, Docker
Cloud Services: AWS (EC2, DynamoDB, Lambda, S3, API Gateway), Azure, GCP, MongoDB Atlas

Professional Experience

TechTunes LLC **July 20XX – Present**

Founding Full-Stack Developer

- Built an interactive music platform with **FastAPI** & **React** frontend with real-time tuner via **Web Audio API** ∗ Implemented avatar customization system with color masking & responsive zoom for seamless UX
- Deployed production beta on **Vercel** achieving **sub-100ms** loads & full interactivity across zoom levels

Zen Music Group **March 20XX – September 20XX**

Software Developer

- Architected async video pipeline (**FastAPI** + **FFmpeg**) reducing storage costs by **60%** for **100+ daily uploads**
- Implemented **AI metadata extraction** & summarization via **Vertex AI Gemini** for production workflows
- Reduced **API errors by 75%** through comprehensive error handling for uploads, streams, & timeouts

Brown Brothers Harriman **April 20XX – September 20XX**

Enterprise Architecture Intern

- Built data visualization chatbot using **Azure OpenAI**, saving **15+ hours/week** in dataset navigation
- Automated data pipelines with **Python ETL** scripts, reducing manual workload by **50%**
- Analyzed cloud migration strategy for legacy systems, improving scalability & cutting costs by **15%**

ClassCut LLC **May 20XX – November 20XX**

Founding Developer

- Built **AI video platform** automating lecture curation, summarization & indexing with **50%** search time reduction
- Integrated real-time analytics with **PostgreSQL**, enabling engagement tracking & **25%** retention gains
- Developed automated video indexing using **LLMs**, reducing content search time by **50%**

Projects

DroneDash | ***OwlHacks 2025 Winner*** - *Future Mobility Track* **September 20XX**

- Engineered real-time drone delivery platform with **WebRTC streaming**, **React/TypeScript** & **FastAPI** backend
- Implemented 3D geospatial visualization using **Three.js** & **MongoDB**, achieving **85%** uptime
- Simulated realistic delivery constraints including battery life & urban obstacles for accurate logistics modeling

GeneSight | ***Philly CodeFest 2025 Winner*** - *CSL Plasma Heroes Award* **March 20XX**

- Built **ML pipeline** (**XGBoost**, **scikit-learn**) achieving **89%** accuracy on genomic classification
- Deployed **FastAPI** inference service with **React UI** enabling real-time predictions & interactive visualizations
- Implemented data preprocessing & feature engineering pipeline handling **10K+ genomic samples**

SentientAI | *Voice-Enabled Semantic Search Platform* **June 20XX**

- Built AI-powered search platform with **FastAPI**, **React**, **Weaviate** & **OpenAI embeddings**
- Engineered **Docker Compose** deployment pipeline cutting setup time by **85%** & deployment time by **70%**
- Indexed **1500+ entries** achieving **92%** recall with **sub-200ms** query latency

Minerva | *AI Teaching Assistant - Philly CodeFest 2024* **April 20XX**

- Architected **AI tutor** automating lesson generation, coding exercises & personalized assessments
- Integrated 3D AI avatars via **Babylon.js** & **AWS Sumerian Hosts**, boosting student engagement by **60%**
- Automated **80%** of tutoring workflows using **LangChain** & **GPT-4 APIs** with custom prompt engineering

Leadership / Extracurricular

- **Senator -** Drexel USGA - Undergraduate Student Government Association
- **Mentor -** Center for Autism and Neurodiversity (CAN), Ascent Peer Mentorship Program
- **Secretary -** Drexel Pickleball Club
- **Member -** Drexel Taek Won Do Club

Awards & Recognition

AJ Drexel Scholarship, OwlHacks 20XX Winner, Philly CodeFest 20XX Winner