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EDUCATION

The University of Chicago — Chicago, IL
B.S. in Computer Science and Economics — Expected, June 2027

GPA: 3.89/4.00

Related Coursework: Data Structures & Algorithms, Systems Programming, Machine Learning, Usable Security & Privacy, Human-Computer Interaction, Statistical Models & Methods, Economic Analysis, Mathematical Proofs

Awards: UChicago Dean's List, UChicago Jane Morton Scholarship, National Merit Scholar Finalist, Seal of Biliteracy (Chinese), Top 10 in Food Marketing at DECA International Business Conference 2023

SKILLS

- **Programming Languages:** Python, R, Java, C, C#, HTML, CSS, Javascript
- **Tools:** React, Git, Linux, Pandas, NumPy, Tailwind, Unity, Splunk, Mathematica, Microsoft Office
- **Concepts:** Object-Oriented Programming, Data Structures, Algorithms, Technical Documentation, Statistics, Threat Detection, Data Visualization, Systems Administration, ML, OS Fundamentals, Leadership, Problem-Solving

EXPERIENCE

Humana — Remote
Detection Engineering Intern — May 2025 – Present
- Designed and implemented Splunk dashboard visualizing 100K+ security incidents for data-driven tuning insights.
- Collaborated cross-functionally with analysts and engineers to design and operationalize a proactive tuning process.
- Participated in company-wide hackathon to create an end-to-end digital fax-processing tool, which used trained visual-recognition models to auto-extract data from scanned forms, reducing manual intake time for clinical teams.

CharacTour LLC — Remote
Data Science and AI Intern — June 2024 – August 2024
- Engineered a personality-based media recommendation engine and improved algorithm performance by 40%.
- Conducted quantitative analyses on 9M+ user profiles using Pandas and NumPy to cluster personality types.
- Presented technical findings to leadership, translating research and data insights into strategic decisions.

UChicago Computer Science Instructional Lab — Chicago, IL
Sysadmin and Technical Support Staff — March 2024 – Present
- Conduct on-site administration of 100+ computers; optimize user-facing interfaces for students and CS instructors.
- Collaborated on a full-stack alumni web portal using React and FastAPI to connect students and graduates.
- Improved user accessibility and security through LDAP login redesign and automation via Ansible playbooks.

PROJECTS

- **Blokus Game (Python):** Built logic for a multiplayer version of Tetris for up to 4-players; implemented a text-based user interface (TUI) that enabled interactive gameplay.
- **Threat Detection Efficacy and Tuning Dashboard (Splunk)**: Built a Splunk dashboard to highlight noisy threat detection rules that are candidates for proactive tuning, integrating incident response data and alert fidelity metrics.
- **Alumni Portal (React JS)**: Built a full-stack alumni web portal using React, FastAPI, and MongoDB. The backend API has POST and PUT endpoints for easy database updating, and the frontend is styled with Tailwind CSS.
- **Multimodal VR Scuba Interface (Unity, C#, XR Hands, Python)**: Built a suite of interaction systems including haptics menus, hand-shape based and eyes-free interactions to create a robust interface for a VR scuba diving game.

LEADERSHIP & ACTIVITIES

UChicago CompileHer — Chicago, IL
President — October 2023 – Present
- Lead 30-member org to design and host events for local schools including annual hackathons with 100+ attendees.
- Oversee budgeting, outreach, and volunteer coordination for operational harmony and quality learning experiences.

Kappa Theta Pi Professional Technology Fraternity — Chicago, IL
Planning Committee — September 2024-Present
- Participate in workshops and panels to learn professional development skills and emerging technology trends.
- Collaborated in project committee of 20 to offer pro-bono technical consulting to local small businesses.

Ex Crew Dance — Chicago, IL
Dancer — September 2023-Present
- Choreograph and direct performances, emphasizing creative collaboration and storytelling through movement.
- Perform at events and competitions in and around the UChicago campus such as World of Dance Chicago.