Anna Yan

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EDUCATION

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

GPA: 3.85/4.00

Related Coursework: Data Structures and Algorithms, Systems Programming I-II, Discrete Mathematics, Usable Privacy and Security, Statistical Models and Methods 23400, Elements of Economic Analysis I-III

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

SKILLS

- **Programming Languages**: Python, Java, R, C,
- **Web Technologies**: HTML, CSS, Javascript, React, FastAPI
- **Tools**: Splunk, Git, Linux, Python Pandas, NumPy, Ansible, Docker, Mathematica, Microsoft Office
- **Concepts**: OOP, Data Structures, Algorithms, Technical Documentation, Statistics, Threat Detection, Data Analytics, Statistics, Project Management, Leadership, Dashboards, Web Development

EXPERIENCE

Humana — Remote
Detection Engineering Intern — May 2025 – Present
- Developed a Splunk dashboard to visualize detection rule efficacy by analyzing 100K+ incident reports.
- Identified high-noise detection rules for tuning, reducing false-positives by 30%, improving threat response times.
- Delivered team's first centralized tool for proactive detection tuning, streamlining security operations.

CharacTour LLC — Remote
Data Science and AI Intern — June 2024 – August 2024
- Engineered a personality-based matching algorithm and improved algorithm performance by 40%.
- Built data-driven media recommendation engines with 85% accuracy using Python and Pandas
- Researched TensorFlow applications for recommender systems and presented findings to engineering leadership.

UChicago Computer Science Instructional Lab — Chicago, IL
Sysadmin and Technical Support Staff — March 2024 – Present
- Resolve 30+ weekly software and hardware issues; conduct on-site administration of 100+ computers.
- Configured LDAP-based authentication on our servers; wrote Ansible playbooks to secure logins.
- Collaborated with a team of 5 to deploy full-stack alumni web portal using FastAPI and React.

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 tules that are candidates for proactive tuning, integrating incident response data and alert fidelity metrics.

LEADERSHIP & ACTIVITIES

UChicago CompileHer — Chicago, IL
President — October 2023 – Present
- Manage and lead curriculum-based events for local schools including annual Hackathon with 100+ attendees.
- Lead budgeting, outreach, and volunteer coordination to encourage young girls in their love of computer science.

Kappa Theta Pi Professional Technology Fraternity — Chicago, IL
Member — September 2024-Present
- Attend workshops and panels to learn technical and professional development skills relevant to the tech industry.
- Collaborate in project committee of 20 to offer pro-bono technical consulting to local small businesses.

Ex Crew Dance — Chicago, IL
Dancer — September 2023-Present
- Perform at events and competitions in and around the UChicago campus such as World of Dance Chicago.
- Choreograph dance sets and direct rehearsals of 15 dancers to perform for annual showcases.