Gideon Mitchell

917-678-2717 | gideonm@uchicago.edu | https://github.com/Turreted

EDUCATION

University of Chicago   *June 2025 (Expected)*
Bachelor of Science in Computer Science & Mathematics
GPA: 3.58

Relevant Courses: *Theory of Algorithms (A), Accelerated Analysis in Rn (A), Abstract Linear Algebra (A-)*

EXPERIENCE

Data Analytics & Research Assistant   *June 2023 – Present*
Professor Esmael Haddadian
- Used data science and bioinformatics techniques to visualize and interpret pathogenic protein complexes.
- Evaluated analytical models, created novel visualization techniques, and employed machine learning techniques to generate and assess the functional components of Alzheimer's disease.
- Awarded The Quad Research Scholarship, Jeff Metcalf Grant, and an opportunity to present at the Biophysical Society's 2024 conference for my research.

Software Engineer Intern   *February 2022 – August 2022*
Hang Software
- Developed, designed, and debugged the frontend of the Hang mobile app using the Flutter framework.
- Deployed a dedicated staging server using Docker and AWS, which was used company-wide to demo the app.
- Maintained and monitored the backend AWS EC2 instances to keep the app online.

Software Development Intern   *June 2020 - September 2020*
Collective[i]
- Developed workflow optimization protocols for AI sales enablement company using Python.
- Automated ROI report generation for sales analytics products using SQL which halved the time required to produce a report.

Robotics Team - President   *October 2021 – Present*
UChicago Robotics
- Lead, organize, and manage a robotics team with 30+ members and $33,000 in annual funding.
- Created a community service program based around robotics and STEM education with the students of Kenwood Academy in colaboration with Code Your Dreams.
- Wrote the networking and control code for our battle robot, as well as assisted in its wiring and construction.

PROJECTS

Bug Bounty
- Reported and was credited for finding software vulnerabilities in the US Department of Defense via their bug bounty program, including an IDOR and information disclosure bug.

Competitive Programming
- Member of the UChicago International Collegiate Programming Contest (ICPC) team. Qualified for regionals along with the two other members of my sub-team.

Accommodation Software
- Created and maintain audio accommodations software for a visually-impaired peer that enable him to access and do his assignments.

Python Contributor
- Ported the Exp2 function from C99 to Python 3.11

SKILLS & INTERESTS

Languages: Java, Python, C, SQL (MySQL), Go, R, Bash
Technologies: Linux, Unix Shell, Docker, Git, High-Performance Computing.
Interests: Piano, Distance Running, Reading, Fishing