Robin Zhang

585-503-4093 | robinz672@gmail.com | https://robinz62.github.io

Education and Skills

University of Pennsylvania, School of Engineering and Applied Science; **GPA = 3.99**   Philadelphia, PA
- *Bachelor of Science in Engineering*   May 2019
- *Master of Science in Engineering*   May 2019
- Major in Computer Science, Minor in Mathematics
- Honors: Tau Beta Pi, Eta Kappa Nu, Engineering Dean's List (2015-19)
- Graduate Coursework: Advanced Algorithms, Networked Systems, Machine Learning, Databases, Haskell

Primary Languages: Java, C++, JavaScript, Python
Technologies: Node, Express, React, MongoDB, SQL
Competitive Programming
- First Place - Bloomberg UPenn CodeCon 2017 and 2018
- Fourth Place ($100 prize) - Moody's Analytics University CodeSprint 2018 (HackerRank)
- First Place ($300 prize) - Stevens Capital Management UPenn Puzzle Hunt 2018
- First Place ($1000 prize) - Hack the Interview Global 2020 (HackerRank)

Experience

Google   Mountain View, CA
Software Engineer   July 2019 - Present
- On the Display Ads team, primarily writing C++ code for the display ads server which handles various HTTP and RPC traffic related to ad events.

Qualtrics   Seattle, WA
Software Engineering Intern   Summer 2018
- Full stack developer on the Product Experience (PX) team. Worked on a project called Feature Request, a web application that allows product managers to manage/prioritize features.
- Technology stack included Node, Express, React, Redux, MongoDB.

Bentley Systems   Philadelphia, PA
Software Engineering Intern   Summer 2017
- Developer on the Strategic Technology Advancement team, which researches and experiments with new technologies. Helped develop a basic web application (JS, HTML, CSS) and tools for simulating driving through a virtual reality model of an environment.

University of Pennsylvania   Philadelphia, PA
Teaching Assistant
- CIT 596 Course Developer - Algorithms and Computation (2019sp)
- CIS 502 - (Graduate) Analysis of Algorithms (2018fa)
- CIS 121 - Data Structures and Algorithms (2017sp, 2017fa; Head TA 2018sp, 2018fa)
- ESE 301 - Probability (2017sp, 2018sp, 2019sp)

Research Assistant (Ocean and Climate Dynamics)   May 2016 - May 2017
- Wrote MATLAB code to perform data analysis on ocean data.

Peer Tutor   Spring 2016, Fall 2016
- Tutored students in computer science and mathematics courses.

University of Rochester   Rochester, NY
Research Assistant (Laboratory for Laser Energetics)   Summer 2014
- Performed statistical analysis on cryogenic target defects in MATLAB.

Projects

Electronic Health Record System for Heart for Africa   2018 - Present
- A simple but comprehensive custom-built EHR designed for use in low-resource communities.
- Built for nurses of the nonprofit Heart for Africa; installed and began use in July 2019 in Eswatini, Africa.
- Tech: Built as a web application (MERN stack), with the server running on a Raspberry Pi on a local network, with periodic backups to the cloud.
- Senior Project Honorable Mention