Robin Zhang

(585) 503-4093 | rzha@seas.upenn.edu |1028 Beaver Creek Drive, Webster, NY 14580
https://www.seas.upenn.edu/~rzha

Education

University of Pennsylvania, School of Engineering and Applied Science; **GPA = 3.99** — Philadelphia, PA

- *Bachelor of Science in Engineering* — Expected May 2019
- *Master of Science in Engineering* — Expected May 2019
- Majoring in Computer Science, Minor in Mathematics
- Honors/Activities
  - First Place – Bloomberg UPenn CodeCon 2017 (programming competition)
  - Grace Covenant Church – Web Team
  - Tau Beta Pi, Eta Kappa Nu, Engineering Dean's List (2015-18)
- Select Coursework: Advanced Algorithms, Networked Systems, Machine Learning, Databases, Software Engineering

Languages: Java, C, C++, JavaScript, Go, Haskell, OCaml, HTML, CSS, Python
Technologies: Node.js, Express.js, React, Redux, MongoDB, SQL

Experience

Qualtrics — Seattle, WA
Software Engineering Intern — Summer 2018

- Full stack developer on the Product Experience (PX) team working on "Feature Request," an application that will allow companies to intelligently manage and prioritize feature requests for their products.
- Main project: design, develop, and test a search feature to allow users to avoid duplicate requests.
- Technologies: Node/Express, React/Redux

Bentley Systems — Philadelphia, PA
Software Engineering Intern — Summer 2017

- Helped create and add features to a web app built on Cesium.js that allows users to follow a vehicle through a virtual reality model of an environment based on GPS coordinates sent from an iOS app.
- Technologies: JavaScript, Node.js, jQuery, HTML, CSS

University of Pennsylvania — Philadelphia, PA
Teaching Assistant — Various Dates

- CIS 121 Head TA (Spring 2018, Fall 2018)
  - Manage team of 30 TAs to ensure course quality for 200+ students
  - Manage course infrastructure and logistics, develop homework assignments, work with professor
- CIS 121 – Data Structures and Algorithms (Spring 2017, Fall 2017)
- ESE 301 – Probability (Spring 2017, Spring 2018)
- Hold office hours, lead recitation, revise homework assignments, grade homeworks and exams

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

- Wrote MATLAB code to perform statistical analysis on images of targets used in inertial confinement fusion.

Projects

Anesthesiologist Dashboard (2017)

- A cloud-synchronized web app that provides a checklist for anesthesiologists setting up operating rooms as well as an overall dashboard showing the state (vacant, setting up, ready) of all operating rooms in the hospital
- Developed under supervision of mHealth, Penn Medicine's technology innovation lab
- Meteor stack, Bootstrap

Iplo (2017)

- Web App that implements natural language processing algorithms to compare texts and produce visualizations
- Top 30 of over 175 submissions and Honorable Mention at PennApps XV Hackathon
- Python, HTML/CSS/JavaScript, D3.js for visualizations