

# Robin Zhang

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## Education

University of Pennsylvania, School of Engineering and Applied Science; GPA = 3.99	Philadelphia, PA
<ul style="list-style-type: none"><li><i>Bachelor of Science in Engineering</i></li><li><i>Master of Science in Engineering</i></li><li>Major in Computer Science, Minor in Mathematics</li><li>Activities<ul style="list-style-type: none"><li>Grace Covenant Church – Web Team</li><li>Tau Beta Pi, Eta Kappa Nu, Engineering Dean's List (2015-19)</li></ul></li><li>Select Coursework: Advanced Algorithms, Networked Systems, Machine Learning, Databases, Software Engineering</li></ul>	May 2019 May 2019

Languages: [Primary] Java, C++, JavaScript (and related frameworks) | [Other] C, Python, Haskell, OCaml

Technologies: Node, Express, React, MongoDB, SQL

## Awards

- First Place – Bloomberg UPenn CodeCon 2017 (programming competition)
- First Place – Bloomberg UPenn CodeCon 2018
- Fourth Place (\$100 prize) – Moody's Analytics University CodeSprint 2018 (HackerRank)
- First Place (\$300 prize) – Stevens Capital Management UPenn Puzzle Hunt 2018 (programming competition)
- Senior Project Honorable Mention – Electronic Health Record System for Heart for Africa

## Experience

Google	Mountain View, CA
<i>Software Engineer</i>	July 2019 – Present
<ul style="list-style-type: none"><li>Display Ads Infrastructure</li></ul>	
Qualtrics	Seattle, WA
<i>Software Engineering Intern</i>	Summer 2018
<ul style="list-style-type: none"><li>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.</li><li>Technologies: Node/Express, React/Redux</li></ul>	
Bentley Systems	Philadelphia, PA
<i>Software Engineering Intern</i>	Summer 2017
<ul style="list-style-type: none"><li>Helped create and add features to a Cesium.js-based web app that allows users to follow a vehicle through a virtual reality model of an environment based on GPS coordinates sent from an iOS app.</li><li>Technologies: JavaScript, Node.js, HTML, CSS</li></ul>	
University of Pennsylvania	Philadelphia, PA
<i>Teaching Assistant</i>	Various Dates
<ul style="list-style-type: none"><li>CIT 596 Course Developer – Algorithms and Computation (Spring 2019)<ul style="list-style-type: none"><li>Created content for the first iteration of the course</li></ul></li><li>CIS 502 – (Graduate) Analysis of Algorithms (Fall 2018)</li><li>CIS 121 Head TA (Spring 2018, Fall 2018)<ul style="list-style-type: none"><li>Manage team of 30 TAs to ensure course quality for 200+ students</li><li>Manage course infrastructure and logistics, develop homework assignments</li></ul></li><li>CIS 121 – Data Structures and Algorithms (Spring 2017, Fall 2017)</li><li>ESE 301 – Probability (Spring 2017, Spring 2018, Spring 2019)</li></ul>	
<i>Research Assistant (Ocean and Climate Dynamics)</i>	May 2016 – May 2017
<ul style="list-style-type: none"><li>Wrote MATLAB code to perform data analysis on ocean data.</li></ul>	
<i>Peer Tutor</i>	Spring 2016, Fall 2016
<ul style="list-style-type: none"><li>Tutored students in computer science and mathematics courses.</li></ul>	
University of Rochester	Rochester, NY
<i>Research Assistant (Laboratory for Laser Energetics)</i>	Summer 2014
<ul style="list-style-type: none"><li>Wrote MATLAB code to perform statistical analysis on images of targets used in inertial confinement fusion.</li></ul>	

## Projects

Electronic Health Record System for Heart for Africa (2018-19)
<ul style="list-style-type: none"><li>A simple but powerful custom electronic health record system designed for work in low-resource communities</li><li>Built for nurses working for the nonprofit Heart for Africa; installed and began use in July 2019 in Eswatini, Africa</li><li>Technology Stack: MongoDB, Express, React, Node</li></ul>