

# Robin Zhang

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## Education

University of Pennsylvania, School of Engineering and Applied Science; <b>GPA = 3.99</b>	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>• Majoring 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 (2015-18)</li></ul></li><li>• Select Coursework: Advanced Algorithms, Networked Systems, Machine Learning, Databases, Software Engineering</li></ul>	Expected May 2019 Expected May 2019

**Languages:** Java, C, C++, JavaScript, Go, Haskell, OCaml, HTML, CSS, Python

**Technologies:** Node.js, Express.js, React, Redux, MongoDB, SQL

## Awards

- First Place – Bloomberg UPenn CodeCon 2017
- Fourth Place (\$100 prize) – Moody's Analytics University CodeSprint 2018

## Experience

<b>Qualtrics</b>	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>• Main project: design, develop, and test a search feature to allow users to avoid duplicate requests.</li><li>• Technologies: Node/Express, React/Redux</li></ul>	
<b>Bentley Systems</b>	Philadelphia, PA
<i>Software Engineering Intern</i>	Summer 2017
<ul style="list-style-type: none"><li>• 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.</li><li>• Technologies: JavaScript, Node.js, jQuery, HTML, CSS</li></ul>	
<b>University of Pennsylvania</b>	Philadelphia, PA
<i>Teaching Assistant</i>	Various Dates
<ul style="list-style-type: none"><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, work with professor</li></ul></li><li>• CIS 121 – Data Structures and Algorithms (Spring 2017, Fall 2017)</li><li>• ESE 301 – Probability (Spring 2017, Spring 2018)</li><li>• Hold office hours, lead recitation, revise homework assignments, grade homeworks and exams</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>	
<b>University of Rochester</b>	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

<i>Anesthesiologist Dashboard (2017)</i>	
<ul style="list-style-type: none"><li>• 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</li><li>• Developed under supervision of mHealth, Penn Medicine's technology innovation lab</li><li>• Meteor stack, Bootstrap</li></ul>	
<i>Iplo (2017)</i>	
<ul style="list-style-type: none"><li>• Web App that implements natural language processing algorithms to compare texts and produce visualizations</li><li>• Top 30 of over 175 submissions and Honorable Mention at PennApps XV Hackathon</li><li>• Python, HTML/CSS/JavaScript, D3.js for visualizations</li></ul>	