

Robin Zhang

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Education

University of Pennsylvania, School of Engineering and Applied Science; GPA = 4.00	Philadelphia, PA
<ul style="list-style-type: none">• <i>Bachelor of Science in Engineering</i>• <i>Master of Science in Engineering</i>• Majoring in Computer Science, Minor in Mathematics• Engineering Dean's List 2015-16, 2016-17• Activities/Societies: Tau Beta Pi, Eta Kappa Nu• Graduate Coursework: Analysis of Algorithms, Advanced Programming, Software Engineering	Expected May 2019 Expected May 2019

Languages: Java, C, JavaScript, Haskell, OCaml, HTML, CSS, Python

Experience

Qualtrics	Seattle, WA
<i>Software Engineering Intern</i>	Summer 2018
<ul style="list-style-type: none">• TBD (!)• TBD (!)	
Bentley Systems	Philadelphia, PA
<i>Software Engineering Intern</i>	Summer 2017
<ul style="list-style-type: none">• Helped create and add features to JavaScript web app built on top of Cesium.js that allows users to follow a vehicle through a virtual reality model of the environment based on GPS coordinates sent from an iOS app.• Added functionality to existing in-browser reality model viewer that allow user to draw a path for the virtual vehicle to follow.	
University of Pennsylvania	Philadelphia, PA
<i>Teaching Assistant</i>	Various Dates
<ul style="list-style-type: none">• CIS 121 Head TA (Spring 2018)• CIS 121 – Data Structures and Algorithms (Spring 2017, Fall 2017)• ESE 301 – Probability (Spring 2017)• Hold office hours, lead recitation, revise homework assignments, grade homeworks and exams	
<i>Research Assistant (Ocean and Climate Dynamics)</i>	May 2016 – May 2017
<ul style="list-style-type: none">• Wrote code to perform data analysis in MATLAB on ocean data.	
<i>Peer Tutor</i>	Spring 2016, Fall 2016
<ul style="list-style-type: none">• Tutored students in various computer science and mathematics courses.	
University of Rochester	Rochester, NY
<i>Research Assistant (Laboratory for Laser Energetics)</i>	Summer 2014
<ul style="list-style-type: none">• Wrote scripts in MATLAB to perform statistical analysis on images of imperfections of targets used in inertial confinement fusion to test hypotheses on the formation of defects.	

Projects

<i>Anesthesiologist Dashboard (2017)</i>	
<ul style="list-style-type: none">• 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 for a technology department of Penn Medicine.• Built on MeteorJS stack (Node.js, BlazeJS, MongoDB, etc.), jQuery, Bootstrap	
<i>Iplo (2017)</i>	
<ul style="list-style-type: none">• 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 backend, D3.js for visualizations	
<i>CodeRacer (2016)</i>	
<ul style="list-style-type: none">• An online, live typing game where users race each other in typing code snippets• Used Node.js backend and simple JavaScript/jQuery frontend	