

Shijie Rao

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Education

Carnegie Mellon University

Pittsburgh, PA | May 2017

B.S. in Information Systems

Cumulative GPA: 3.36/4.00

Westtown High School

West Chester, PA | June 2013

Relevant Courses

Application Design & Development

Building Distributed Application

Principles of Imperative Computation

Principles of Functional Programming

Principles of Database Systems

Differential Equation

Introduction to Mathematical Finance

Skills

Programming — HTML, CSS,
Javascript, JQuery, SQL, Node.js,
MongoDB, Java, Python, Ruby on
Rails, C, Postgres

Languages — fluent in Mandarin
(writing and speaking, cross-cultural
experience)

Activities

- Art staff at The Tartan newspaper
- Member of the CMU Chapter of the American Red Cross
- Math tutor in high school

Experience

CMU Mathematics Department, Grader

August 2014 - Present | Carnegie Mellon University, PA

- Grader of Multivariable Analysis.
- Assisted professor and teacher assistances in tutoring students.

Credit2go, Software Engineer Intern

July 2015 - August 2015 | Shanghai, China

- Improved the front end design of the C2C website.
- Created the gridselect extension in EXT JS for the modularized back-end EXT JS web application to increase the usability of the website and optimize the user experience.

Capital One, Summit for Software Engineers

May 2015 | McLean, VA

- Selected as one of 30 participants from online coding challenge.
- Learned different technologies including Angular.js, MongoDB, Parse, and Android Development and other languages, and their usage in banking and different industries.
- Participated in a 24-hour hackathon, winning first place in the competition.

Project

Uber SurgeEstimator, Class Project

December 2015 | Pittsburgh, PA

- Created A web application to give a better insight of Uber surge pricing using Node.js and MongoDB.
- Utilized Google Map API for map display, route calculation, geolocation lookup and surge estimations for nearby locations.
- Used Uber API for pricing, nearby surge suggestions, and display surges for the given location for user reference.

Capital One Hackathon, 1st Place

May 2015 | Mclean, VA

- Created a budget management web application using Angular.js and the Capital One API.
- Worked in team of 5, using agile development method to implement both the web application and the mobile app.
- Designed the user interface for the application.