Shawna Huang

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EDUCATION

Brown University
Sc.B., Applied Math – CS
May 2020 | GPA: 4.0

Trinity College Dublin
Study Abroad, Spring 2019

COURSEWORK

Intro. to Computer Systems
User Interfaces / UX
Computer Systems Security
Discrete Structures
Intro. to Computer Graphics
Artificial Intelligence
Statistical Inference
Computational Linear Algebra
Stochastic Models

SKILLS

Python · Ruby · Java · Scala ·
JavaScript · C · C++ · Go · SQL
· HTML · CSS · Racket · OCaml
· Prolog · MATLAB · Bash ·
React · LaTeX · InDesign

LANGUAGES

English (native)
Mandarin (native)
Spanish (proficient)

INTERESTS

Competitive Jump Rope
Enamel Pin Collecting
Bullet Journaling

EXPERIENCE

Stripe   **Seattle, Washington**
Software Engineer Intern   May – August 2019
• Implemented a system to normalize shipping and billing addresses to improve machine learning models for Radar, Stripe's transaction fraud detection product.
• Reduced feature extraction latency by 81% by designing a sharded MongoDB collection & asynchronous Kafka event processor to avoid expensive service calls.

Airbnb   **San Francisco, California**
Software Engineer Intern   May – August 2018
• Built tools to augment the Airbnb Plus onboarding funnel for hosts, Airbnb partners, and internal operations teams as part of the Plus Conversion team.
• Developed a RESTful API in Ruby on Rails and a user interface in React/Redux in collaboration with 16 engineers, product managers, and designers.

TEACHING

Brown Computer Science Department   **Providence, Rhode Island**
Meta Teaching Assistant   October 2018 – present
• Coordinate hiring and training of 600 teaching assistants each year across 50 computer science courses as one of two student leaders for the TA program.
• Provide technical and logistical support and act as liasion between TAs and faculty, working closely with Tom Doeppner, Director of Undergraduate Studies.

Head Teaching Assistant, CSCI 0170   March 2018 – December 2018
• Collaborated with 4 head TAs and professor Philip Klein to develop, teach, and coordinate An Integrated Introduction to Computer Science for over 180 students.
• Recruited, hired, and mentored 23 TAs in developing course materials, assisting students in weekly labs and office hours, and grading student assignments.

Teaching Assistant, CSCI 0170 / 0180   August 2017 – May 2018
• Collaborated with 25 TAs and professors John Hughes, Kathi Fisler, and Tim Nelson to facilitate teaching of An Integrated Introduction to Computer Science.
• Developed new course assignments, answered questions, facilitated weekly labs and office hours, graded student work, and wrote scripts for course staff use.

PROJECTS

GeoCash, HackMIT 2018
A React and Node.js app to help users geographically visualize how they spend their money, using the Plaid and Google Maps APIs. Winner of the Plaid API Prize.

AirPals, Airbnb Homes Hackathon 2018
A React / Redux and Node.js app to democratize group travel, allowing groups of users to anonymously indicate preferences and vote on Airbnb listings.

Wheather, YHack 2017
A Flask / React and Twilio web app & text service to help users decide what to wear every morning, based on the weather in their location and their active hours.

Search, An Integrated Introduction to Computer Science
A search engine in Scala, using term frequency and PageRank algorithms to index a wiki and return relevant documents based on a free text query.