AMY HUANG

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amy-huang.github.io

EDUCATION

Brown University
Providence, RI
Sc.B. Computer Science
GPA: 3.8
Expected May 2020

SKILLS

Backend/Data

Java, Python, Go, C, Bash, SQL, R

Deployment

Git, Kubernetes, Helm, Gitlab CI/CD

Web Development

HTML, CSS, jQuery, Javascript, React, Cypress

COURSEWORK

Computer Networks
Software Engineering
Formal Methods
Database Systems
Algorithm Design
Probability/Statistics
Discrete Mathematics
Linear Algebra
Multivariable Calculus
Computer Architecture

INDUSTRY WORK

Software Engineer (Azure Networking)
Microsoft | Redmond, WA | August 2020 - present
- Incoming new grad full time hire

Software Engineering Intern
Appian | Tysons, Virginia| June - August 2019
- Kubernetes Deployment Management team
- Deployed microservices with Helm and Go
- Contributed UI tests using Cypress

Product Strategy Intern
Shiru Cafe @ Brown University| Jan. - May 2019
- Researched how college grads find first jobs
- Collaborated on branding re-design

RESEARCH

Honors Thesis: Mystery Functions
Brown Programming Languages and Theory Group | September 2019 - May 2020

- Built interactive web app for experiment
- Conducted 50 person study through Indiana University Psychology's subject pool

Undergraduate Research Grant (UTRA)
Brown Engineering | June - August 2018
- Wrote energy analysis tool in Python and Bash
- Analyzed energy use of novel data structures
- Put findings into publication (SPAA 2019)

Computation Intern
Lawrence Livermore National Laboratory (LLNL) | June - August 2017

- Programmed parallel genetic algorithm in C
- Analyzed performance trends in R

TEACHING ASSISTANTSHIPS

Head Teaching Assistant (HTA) Intro Computer Science for Non-Majors, Fall 2018

- With one co-HTA, hired and trained 8 teaching assistants for 280 person class
- Directed hours and grading policy changes and email communications

Teaching Assistant (TA) Intro to Formal Methods, Spring 2020 | Discrete Mathematics, Spring 2018 | Intro Computer Science for Non-Majors, Fall 2017

- Rewrote and graded assignments, and held hours with staff of 10-20 TAs