

# AMY HUANG

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Seattle, WA  
[amy-huang.github.io](https://github.com/amy-huang)

## WORK EXPERIENCE

### Software Engineer

Microsoft ([Azure Networking](#)) | Redmond, WA | June 2020 - present

- Scaling monitoring service for Azure's network of routers between datacenters; increased coverage 15% so far
- Maintaining automation service used by network engineers to do critical maintenance and outage mitigation operations

### Software Engineer Intern

[Appian](#) | Tysons, Virginia | June - August 2019

- Wrote infrastructure to deploy core micro-services using Kubernetes
- Contributed end-to-end UI tests using Cypress

## SKILLS

Domains: *cloud, networking, back-end, microservices, Linux, Windows*

Languages: *Python, Go, C#, Java, C, JavaScript, SQL, R*

Protocols/frameworks: *gRPC, .NET, React, Cypress, Stackstorm*

CI/CD and orchestration: *Gitlab, Azure DevOps, Docker, Kubernetes*

## EDUCATION

**Brown University** Sc.B. Computer Science, May 2020, GPA: 3.8

*Courses: Distributed Systems, Computer Networks, Software Engineering, Formal Methods, Database Systems, Algorithm Design, Probability/Statistics, Discrete Mathematics, Computer Architecture*

## OTHER PROJECTS

**Honors Thesis: Mystery Functions** September 2019 - May 2020 | [Write-up](#)

- Conducted 150 person study through Indiana University Psychology's subject pool using custom web app
- Analyzed patterns of behavior in theory formation game

**Head Teaching Assistant (HTA)** [Computer Science for Non-Majors](#) | Fall 2018

- Worked with one other co-HTA, to hire, train and manage staff of 8 teaching assistants to support 280 person class
- Directed curriculum development and communications with students