MICHELLE HUANG
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Education and Certifications

University of California, Berkeley - B.A. in Computer Science   Berkeley, CA
August 2020 - December 2023

Coursework: Data Structures, Database Systems, Algorithms and Intractable Problems, Linear Algebra, Operating Systems and Systems Programming, Full Stack/iOS Development, Artificial Intelligence, Discrete Math and Probability, Differential Equations and Circuits, Compilers and Languages, Computer Security, Machine Structures, Structure and Interpretation of Computer Programs

Google Cloud: Cloud Digital Leader   August 2023
Relevant skills: knowledge of cloud concepts, Google Cloud products, services, and business use cases

AWS Certified Solutions Architect   In Progress (Expected Completion: April 2024)
Relevant skills: knowledge of AWS services for use in app deployment, enterprise solution management

Experience

Five9   May 2023 – August 2023
Software Engineer Intern, Cloud Platform Team   *San Ramon, CA*

- Automated **30%** of dev setup with Docker Compose to stand up 3 database nodes with a single command
- Enhanced CI/CD pipeline to provide detailed feedback to developers about their Sonarqube code quality
- Deployed a demo application used by the infra team in end-to-end testing of Kubernetes deployment pipeline
- Debugged runtime operation in GCP and leveraged Terraform to streamline infrastructure management tasks
- Organized and hosted intern coffee chats and facilitated networking opportunities with new grad coworkers
- Skills/technologies: GitLab, Google Cloud Platform, Terraform, Docker, Kubernetes, Shell Scripting, CI/CD

Personalis, Inc   May 2022 – July 2022
Software QA Engineer Intern, Software QA Team   *Menlo Park, CA*

- Expanded automated UI test coverage of the portal site by **10%**, defined and documented new test cases
- Navigated large codebase to write **25** automated tests for password change, message send, and billing option
- Utilized Selenium WebDriver with TestNG in Jenkins to efficiently run automated regression test suite
- Collaborated with team of nine people to organize commits using BitBucket and assign tickets with Jira
- Skills/technologies: Java, Git, Selenium WebDriver, TestNG, Jenkins, Bitbucket, Jira, RestAssured, Agile

Projects

SnackMatch: Snack With Friends! | *React, Node, Express, MongoDB*

- Developed a party-based restaurant picking app able to filter on location, opening hours, and price range
- Processed business search information from Yelp Fusion API to return accurate restaurant details and photos
- Designed an intuitive user interface enabling seamless input of parameters and familiar interactions

Fault-tolerant MapReduce System | *Rust*

- Architected distributed data processing framework for efficient task distribution and worker utilization
- Optimized coordinator node for responsive task scheduling based on worker availability and workload
- Engineered fault tolerance mechanism using heartbeats and task re-distribution to increase system reliability

Skills

Languages: Python, Java, JavaScript, C, Go, Rust, HTML/CSS, SQL, Shell Scripting (Bash)
Tools/Frameworks: Node.js, React, Flask, Express.js, Kubernetes, Docker, Git, GitLab, Jenkins, Jira, REST