

Jessica Kuo

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EDUCATION

University of California, Berkeley

August 2016 – May 2020

Major: B.A. Computer Science

Minor: Data Science

Relevant Coursework: Data Structures, Algorithms, Natural Language Processing, Computer Security, Operating Systems, Databases, Computer Architecture, Internet Architecture, Information Devices and Systems, Data Science

SKILLS

Languages: Java, Python, C, HTML, CSS, SQL, Go, Javascript

Tools: Git, Unit Testing, JUnit, Mockito, Unix, GDB, Adobe Illustrator

EXPERIENCE

Software Development Engineer Intern – Amazon Music, Skyfire Team (*Java*)

May 2019 – August 2019

- Developed recent search history feature for 2.5 million Amazon Music TV and web player clients
- Established server-side data storage with Redis to track user search history keywords
- Implemented client-side search history manipulation functionality and keyword display

Software Development Engineer Intern – AWS Athena (*Java, Javascript*)

May 2018 – August 2018

- Designed full stack project to increase debugging efficiency and accessibility for support engineers
- Implemented backend API library interface to get statistics from Amazon S3 bucket
- Rerouted data retrieval of console to self-created Java servlet
- Rendered Athena query statistics on console website with separate generated hyperlink

PROJECTS

Follow (Virtual Reality Game) – *Unity, C#*

- Hack submission for CalHacks 5.0, a virtual reality maze navigation game
- Designed and decorated maze layout details and game hints with Unity assets
- Implemented movement and collision detection scripts using C#

Ceci (Language Learning Application) – *Swift, Tensorflow*

- Hack submission for CalHacks 4.0, a real-time augmented reality language learning game
- Implemented machine learning library CoreML to detect and label objects
- Used built-in Xcode speech-to-text recognition tool to check user's answers

SQL Databases – *Java*

- Database management system to store data and manipulate tables containing information
- Implemented domain system language similar to SQL for user to interact with

LEADERSHIP

Computer Science Undergraduate Association

January 2017 – Present

Outreach Chair, Officer

- Designed original flyers with Adobe Illustrator to publicize association's events and services
- Maintained association website and social media sites to promote organization