Jessica Kuo

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EDUCATION

University of California, Berkeley   **August 2016 – May 2020**

B.A. Computer Science, Minor in Data Science

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

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 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
- Rendered Athena query statistics on Presto-based console website with separate generated hyperlink
- Implemented backend API library interface to retrieve statistics from Amazon S3 bucket
- Rerouted data retrieval for console to self-created Java servlet

PROJECTS

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

- Hack submission for CalHacks 5.0, a virtual reality maze navigation game
- Designed and decorated maze layout with details and game hints using 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 – December 2019**
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