Jessica Kuo

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EDUCATION

University of Illinois Urbana-Champaign　　　　　　　　　　**August 2021 – May 2023**
Master of Computer Science

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, Cloud Networking

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 television 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

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
- Detected and labeled objects in real time with machine learning library CoreML
- Used built-in Xcode speech-to-text recognition tool to check accuracy of 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