JIAYUE LI

University of California, Berkeley
Computer Science BA, 2019

CONTACT

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EXPERIENCE

Berkeley Institute for Data Science
10/2017-Present

RESEARCH ASSISTANT
- Working on data rescue project to recover information from SciPyCentral, a forum for developers working with scientific computing library, SciPy
- Restoring old website and extracting user posts from Postgres database, using them to create Sphinx documentation to post on SciPy's website

MyLive
06/2017-08/2017

iOS DEVELOPER INTERN
- MyLive is a map-based social media app targeted at college students
- Developed views front-end in iOS app, collaborated with teammates back-end in designing an efficient JSON tree structure for database in Google Firebase
- Worked with Firebase to retrieve JSON data from Firebase into iOS app, and Facebook's Graph API to work with user connections, authentication, and interests

UC Berkeley
01/2017-05/2017

ACADEMIC INTERN
- Assisted in labs and office hours for CS61A: Structure and Interpretation of CS
- Worked with students on labs, projects, and homework; taught course concepts like recursion, trees, and object-oriented programming in Python, SQL, and Scheme

EDUCATION

University of California, Berkeley
08/2016-Present

BACHELOR'S, COMPUTER SCIENCE
GPA: 3.7
- Current Related Coursework: CS61C: Machine Structures, CS186: Introduction to Database Systems, Stat 134: Concepts of Probability
- Completed Related Coursework: CS170: Efficient Algorithms and Intractable Problems, CS188: Artificial Intelligence, CS 61B: Data Structures, CS 70: Discrete Mathematics and Probability Theory, CS 61A: The Structure and Interpretation of CS, CS198-77: Blockchain for Developers Decal, CS 9F: C++ for Programmers, , Math 54: Linear Algebra & Differential Equations

PROJECTS

Surround Sound

An application that allows a user to take a picture of their surroundings, analyzes the image, and generates a related playlist. Tagged images with Microsoft Azure's Computer Vision, and mapped the tags to genres and moods of music using topic association. Used Flask and Google Cloud's App Engine to deploy to frontend.

Travel Adviser (In Progress)

A web application that curates a travel schedule based on time, attractions, and budget. Features an algorithm utilizing data gathered by Python back-end from web sources such as Google's QPX Express or Facebook's Places API. Two-person project.

Nutrition Tracker

A skill built during a hackathon for Amazon Alexa that acts as a personal health assistant, using AWS frameworks and Javascript.

SKILLS

Java, Python, SQL, Swift, C++, HTML, CSS, Javascript, Solidity, Google Firebase