

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 SciPy, a Python library for scientific computing.
- Restoring old website to extract user posts from database, using it to create Sphinx documentation and allow SciPy's website to support the recovered information

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 Google Firebase's Database and Authentication services to retrieve JSON data from Firebase into iOS app, and Facebook's Graph API, to authenticate users and work with user connections 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

Sophomore, GPA: 3.7

- Current Related Coursework: CS170: Efficient Algorithms and Intractable Problems, CS188: Artificial Intelligence, CS198-77: Blockchain for Developers Decal
- Completed Related Coursework: CS 61B: Data Structures, CS 70: Discrete Mathematics and Probability Theory, CS 9F: C++ for Programmers, CS 61A: The Structure and Interpretation of CS, Math 54: Linear Algebra & Differential Equations

PROJECTS

Surround
Sound
(In Progress)

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, Google Firebase