

JIAYUE LI

UC BERKELEY CS 2020 || SOFTWARE ENGINEERING / DATA SCIENCE

CONTACT INFO

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SKILLS

LANGUAGES

Java | Python | SQL | C |
Swift | HTML | CSS | Go
ScalaTest | Javascript

TOOLS & FRAMEWORKS

Flask | Sci-Kit Learn |
Sci-Kit Image | Git |
Google Firebase | Spring |
Pandas | Postgres |
AWS Lambda | Solidity

COURSEWORK

CURRENT:

CS162: Operating Systems
IEOR191: Technology
Entrepreneurship

COMPLETED:

CS189: Machine Learning
CS170: Efficient Algorithms
CS186: Database Systems
CS161: Computer Security
CS188: Artificial Intelligence
CS61B: Data Structures
CS61C: Comp. Architecture
CS70: Discrete Math
EE16A: Information Systems
Stat 135: Concepts of Stats
Stat 134: Probability
Math 54: Linear Algebra

WORK EXPERIENCE

Data Science Intern *Salesforce, San Francisco* May 2019-Aug 2019

- Performed EDA and featured engineering with time series customer data
- Built and productionalized a ML model to predict when large organizations will significantly increase impact on Salesforce core infrastructure

Software Engineering Intern *Expedia, San Francisco* May 2018-Aug 2018

- Developed a recommendations microservice with Flask that predicts the next line of business a customer will purchase after booking a flight
- Trained a model to classify flight bookings in scikit-learn and integrated microservice into team's recommendation services in Java, Spring, Scala
- Increased profit of customer post-flight bookings by 98% (\$600k+/yr in GP)

Incoming CS186 uGSI *University of California, Berkeley* Aug. 2019

Research Assistant *Berkeley Institute for Data Science* Oct. 2017-Dec. 2018

- Developed a model to identify bee species with image classification
- Feature engineered by performing image processing on bee-wing images

EDUCATION / ORGANIZATIONS

University of California, Berkeley Graduation: May 2020

Computer Science

Director of Technology, Project Leader *Codeology* May 2018-May 2019

Implemented a new project-based division and assisted project leaders within our tech committee to develop projects from scratch, focusing on areas of software engineering ranging from web development to ML

Project Developer *Cal Launchpad* Jan. 2018-May 2018

Collaborated to build a imagination-augmented artificial intelligence model based on a DeepMind paper and trained an agent to play breakout

PROJECTS

Secure File Storage: An end-to-end encrypted file sharing system, written in Go

Travel Scheduler: A web app that routes a trip given a location and time

Rainy Day: A service using forecasts of unexpected weather to recommend indoor activities to Expedia travelers. Built with DynamoDB, AWS Lambda, SES.

Surround Sound: An application that allows a user to take a picture of their surroundings to generate a related playlist.