

RAHUL JAIN

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EDUCATION

University of California, Berkeley

Graduation: May 2021

- Double Major in Computer Science and Applied Mathematics
- Concentration in Machine Learning

Overall GPA: 3.73

Relevant Courses

- Machine Learning (CS 189), Efficient Algorithms and Intractable Problems (CS 170), Structure of Computer Programs (CS 61A), Data Structures and Algorithms (CS 61B), Computer Architecture (CS 61C), Discrete Mathematics and Probability Theory (CS 70), Designing Information Systems and Design I/II (EE 16A/B), Principles of Data Science (CS 100), Probability for Data Science (Stat 140), Linear Algebra (Math 110), Real Analysis (Math 104), Abstract Algebra (Math 113)

TECHNICAL STRENGTHS

Computer Languages

Java, Python, C++, Html, Javascript, SQL, jQuery, Postgres

Software & Tools

LaTeX, AWS, Excel, Pandas, REST API, Flask, Bootstrap, Node.js

Skills

Machine Learning, Efficient Algorithms, Data Analytics, Software Engineering

WORK EXPERIENCE

Software Engineer Intern

June 2019 - August 2019

Trading Technologies Inc.

Chicago, Illinois

- Developed an automated unit testing framework to conduct stability tests and produce detailed testing logs, in order to support the QA testing environment
- Stress-tested the server response to REST API calls using LocustIO (load testing framework), in order to identify and analyze performance
- Created a scalable full-stack application using JavaScript and Flask to perform data analysis on input from Python server app and to display results using HTML/CSS and design bootstrapping techniques

Software Engineer Intern

June 2016 - August 2016

Tepia Co.

Costa Mesa, California

- Drafted debugging reports for current projects that were set to be released to their respective clients.
- Collaborated with software engineers to integrate VR with Real Estate to make an immersive application using Unity Studios.

TEACHING EXPERIENCE

Reader - Academic Student Employee

January 2018 - Present

UC Berkeley Department of Electrical Engineering and Computer Science

Berkeley, California

- Courses: Machine Learning, Algorithms, Discrete Math and Prob. Theory, Intro to Electrical Engineering
- Worked with course professors and teaching assistants towards fine-tuning examination questions and providing course feedback for optimizing student experience
- Graded weekly homework and examinations, providing exhaustive feedback to improve future student performance

Associate Mentor - Intro to Electrical Engineering

January 2019 - Present

Computer Science Mentors

Berkeley, California

- Facilitated small group tutoring for intro to Electrical Engineering Course, helping students navigate and understand difficult course concepts
- Provided small group mentoring services for students about course advice and courseload management.

PROJECTS

Bear Maps

- Implemented Dijkstra's shortest-path algorithm between two locations using the two-way roads.
- Developed a XML parser for interpreting the Open Street Map Data and stored locations and roads into a graph.

InstaKart

- Designed a user interface that found the shortest path within a grocery store to pick up all your food based on a list given. Product came in 2nd place out of over a hundred products in MakeHarvard hackathon.