

SAHIL RAILKAR

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EDUCATION

University of California, Irvine

Expected Graduation: June 2022

B.S. Computer Science | Donald Bren School of Information and Computer Sciences; GPA: 3.86

Relevant Coursework: Introduction to Data Management, Machine Learning and Data-Mining, Algorithms for Graphical Models, Data Structure Implementation and Analysis, Computational Linear Algebra, Introduction to Artificial Intelligence

EXPERIENCE

Box

Redwood City, CA

Software Engineering Intern | Shield Threat Detection Team

June 2020 - September 2020

- Assessed current algorithm for detecting suspicious sessions for overlooked edge cases given false negatives
- Designed, built, tested, and documented a new algorithm founded on statistically significant user behavior patterns
- Utilized Apache Spark and AWS EMR with S3 to interact with and analyze user event data within enterprises

Calit2 – University of California, Irvine

Irvine, CA

Undergraduate Researcher | Department of Informatics

January 2019 - March 2020

- Designed and developed the user interface and game logic of an online participatory simulation
- Implemented autonomous agents into the simulation for the automation of individualized decisions
- Wrote sections examining my implementation of various components from the simulation in a research paper

Hack at UCI

Irvine, CA

General Logistics Organizer

April 2019 - Present

- Managing relations with Hack's group of experienced mentors who provide support to hackers during Hack events
- Maintaining organization through the Hack team's folders, spreadsheets, and documents
- Aiding with the planning and management of Hack's events – HackUCI, ZotHacks, Hack workshops, and HackNights

PROJECTS

Rümer

August 2020

- Collaborating with a friend to build a web application which helps UCI students find rooms and roommates
- Building the application on a MongoDB database with Node.js and with React for the user interfaces
- Designing and implementing a RESTful API and integrating the Google Maps API for mapping services

ACCOMPLISHMENTS

- Research Publications:**
- "A Participatory Simulation of the Accountable Capitalism Act." CHI '20.
 - "'Environment-Selected Directors': An Interactive Simulation Experiment of Environmental Representation on Corporate Boards." Ecological Economics.
 - "Accountability with a Capital 'Ism': A Computational Simulation of the Accountable Capitalism Act vs. Delaware Corporate Law." Ohio State Technology Law Journal.

Congressional App Challenge: Recognized by U.S. House of Representatives member Ro Khanna for app, Recollect, which helps Alzheimer's patients preserve their past

SKILLS & INTERESTS

Languages: Proficient in Python, C++, Java, JavaScript, HTML, CSS, SQL, Scala

Libraries: Experienced with React, NumPy, Pandas, sci-kit learn

Experienced with Git, Apache Spark, AWS EMR, AWS S3, MySQL, MongoDB, Node.js, Flask, Heroku

Organizations: Hack at UCI, ACM @ UCI, Artificial Intelligence @ UCI