

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: 3.87

Relevant Coursework: Beyond SQL Data Management, Information Retrieval, Machine Learning and Data-Mining, Introduction to Data Management, Applications of Probability in CS, Algorithms for Graphical Models

TECHNICAL SKILLS

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

Technologies: React, Node.js, Git, GraphQL, gRPC, NumPy, Pandas, Apache Spark, AWS (EMR, S3), Flask

EXPERIENCE

Uber **San Francisco, CA**
Software Engineering Intern | Rider Verticals *June 2021 - September 2021*

- Built responsive and scalable React components for the integration of a mobile product into web
- Mentored and worked with two interns to build a new feature to further expand the web product
- Defined services and implemented a corresponding API for a gRPC server used by the new feature
- Wrote unit tests and created monitoring panels and alerts for existing gRPC services

Box **Redwood City, CA**
Software Engineering Intern | Web App/Engineering *March 2021 - June 2021*

- Worked with engineering teams to develop a scalable rich text editor React component
- Resolved multiple high-priority frontend bugs identified by enterprise users with short turnaround

Box **Redwood City, CA**
Software Engineering Intern | Shield Threat Detection *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

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.

EXTRACURRICULARS

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
- Aiding with the planning and management of Hack's events - HackUCI, ZotHacks, Hack workshops, and HackNights