Sahil Railkar

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Education

University of California, Irvine   **Expected Graduation Date: December 2021**

B.S. Computer Science | Donald Bren School of Information and Computer Sciences; GPA: 3.733

Relevant Coursework: Python Programming with Libraries, Intermediate Programming, Boolean Algebra and Logic, Discrete Mathematics for Computer Science, Introduction to C++, Computational Linear Algebra

Work Experience

Hack at UCI   **Irvine, CA**
General Logistics Organizer   *April 2019 - Present*
- Aiding with the planning and management of Hack at UCI's main events – ZotHacks and HackUCI
- Maintaining organization through the Hack team's folders, spreadsheets, and documents

Calit2 – University of California, Irvine   **Irvine, CA**
Undergraduate Researcher | Department of Informatics   *January 2019 - Present*
- Designing and developing the logic and the front end of an online simulation game with logins
- Implemented autonomous agents into the simulation game for the automation of individual decisions
- Assembled an annotated bibliography of 25 papers relevant to the research project

Brighter Future Learning Center   **San Jose, CA**
Mathematics Tutor   *August 2017 - January 2018*
- Supervised and mentored a group of students ranging up to high schoolers
- Guided math lessons on topics varying from algebra and statistics to AP Calculus BC
- Assisted students with the comprehension of materials brought in from school

Projects

Conway's Game of Life GUI   **July 2018**
- Built a GUI using Python's built-in tkinter interface which demonstrates Conway's Game of Life
- Employed the model-view-controller design pattern for an organized approach to the problem

Recollect   **October 2017**
- Collaborated with two students in building an app to help Alzheimer's patients with memory
- Designed a simple user interface for the app to make it more intuitive for Alzheimer's patients
- Integrated the AWS Rekognition API with ARKit to develop the object recognition feature

Awards

• **Congressional App Challenge** – Recognized by the H.R. member Ro Khanna for app, Recollect, which helps Alzheimer's patients preserve their past

Skills & Interests

Languages: Proficient in Python, C++, Java, HTML, CSS; familiar with JavaScript, Swift, MATLAB, SQL
Libraries: Experienced with React, JavaFX; familiar with sci-kit learn, NumPy, Pandas
Experienced with Git, Node.js, Flask; familiar with Data Structures and Algorithms, AWS
Organizations: Hack at UCI, ACM @ UCI, Artificial Intelligence @ UCI