Sahil Railkar

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Education

University of California, Irvine   **Expected Graduation Date: June 2022**

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

Work Experience

Brighter Future Learning Center   **San Jose, CA**

Mathematics Tutor   *August 2017 - January 2018*
- Supervised a group of students from elementary school to high school
- Guided math lessons on topics ranging from basic operations to those of AP Calculus BC
- Assisted students with the comprehension of materials brought in from school

Projects

Photo Mosaic Constructor   **August 2018**
- Developed a module which generates a photo mosaic given a main image and tile images
- Applied the Python Imaging Library (PIL) to analyze images and create the final photo mosaic

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

• **GunnHacks 4.0 Best Use of AWS** – Awarded the Best Use of Amazon Web Services for the incorporation of object
recognition

Skills & Interests

Languages: Proficient in Python, Java; familiar with HTML5, CSS3, Swift, JavaScript, C++.

Libraries: Experienced with JavaFX, tkinter, Git, scikit-learn; familiar with Bootstrap, NumPy, Pandas, AWS, TensorFlow.

Organizations: HackUCI 2019, ACM @ UCI, Artificial Intelligence @ UCI