

Kishan Rajasekhar

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<https://github.com/kishanrajasekhar> • <http://kishanrajasekhar.github.io/MyWebPage2/>

Education

University of California Irvine, *Bachelor of Science, Computer Science* June 2018

- *Academics: 3.737 GPA*
- *Dean's Honors List*

Courses: Analysis of Algorithms, Data Management, Data Structures, Programming with Software Libraries, Discrete Mathematics, Boolean Algebra, Linear Algebra

Experience

Southern California Earthquake Center (SCEC) Los Angeles, CA
Software Development Intern June – August 2016

- Developed SCEC-VDO (Virtual Display of Objects), a 3D software written in Java which visualizes different sets of earthquake data
- Wrote program data to xml files, allowing users to save the current state of their project and re-open it at a later time
- Added function to automatically download United States Geological Survey (USGS) shake map files
- Created different cpt files to display shake map data with different parameters

Donald Bren School of Information and Computer Sciences Irvine, CA
Tutor January – March 2016

- Demonstrated data types and functions on the Python interpreter, making it easier for new programmers to understand
- Questioned students about their code, leading them to discover bugs on their own
- Wrote tutorials to help students understand basic concepts such as object oriented programming
- Tutored a lab section of 40 students for six hours a week

Computer Skills

Languages: Python, C++, Java

Web Development: HTML, CSS, JavaScript

Version Control: Git, Github

Projects

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- **2D Space Shooter:** Used model-view-controller design in Python to make a 2D shooting game
 - **Light Bugs:** Used object oriented design in Java to create *Light Bikes* replication
 - **Image Scrambler:** Manipulated file data with dynamically allocated 2D array in C++ to alter the image
 - **What I Learned:** Created online journaling site by using JavaScript local storage to save data

Leadership/Activities

Evergreen Valley High School Cross Country San Jose, CA
Varsity Team Captain August – October 2013

- Led team warm ups for 35 athletes, which helped prevent injuries during workouts
- Strategized with the coach to choose varsity runners, resulting in record of 5-2
- Boosted team moral by providing a welcoming environment for new athletes