

Sambhav Sunkerneni

(510) 570-7791 | sambhav@berkeley.edu | <https://sambhavs.github.io> | github@sambhavs

EDUCATION

University of California, Berkeley

2017-2020

B.A. Computer Science

Technical GPA: 4.00, Overall GPA: 3.85

*Relevant Courses (*Fall '18):* *Efficient Algorithms, *Machine Learning, *Computer Architecture, Data Structures, Linear Algebra & Differential Equations, Discrete Math & Probability Theory, Structure & Interpretation of Computer Programs (SICP), Data Science Decal

EXPERIENCE

Software Engineering Intern – Intel

May 2018 - Aug 2018

- TBD

Academic Intern – UC Berkeley

January 2018 - May 2018

- Tutored students for SICP (Intro to CS) and taught lessons on basic algorithmic analysis

President, Founder – Evergreen ECSS

Aug 2015 - May 2017

- Spearheaded content creation, management, and teaching of 30+ Python workshops & classes at multiple local libraries, as leader of registered nonprofit

SIDE PROJECTS

Tileman – Tile Based Adventure Game (Python, Pygame)

- Built complex world-representation system implementing data compression, dynamic tile-object rendering, smooth map rastering and updating, and OOP hero-environment interactions

Pictacular – Photo Mosaic Creator (Python, Flask, Pillow, JavaScript, HTML/CSS)

- Designed photo approximation algorithm using dynamic programming and color sampling techniques to efficiently construct mosaic from database of thousands of images

CS61a (SICP) Grade Calculator (Python, BeautifulSoup)

- Scrapes Okpy grade portal's HTML, extracts grade data and computes grade statistics
- Used extensively by fellow CS61a students: 200+ users

Cardy – Virtual Postcard Sender (Python, Pillow, Tkinter)

- Desktop email client that detects user location, filters Flickr photographs taken nearby, offers selection of scenic photographs and allows users to email virtual postcards to friends

AWARDS & SKILLS

AIME Qualifier (**Top 1.5%** out of 170,000 Students in National Math Contest)

2016, 2017

Cal Alumni Association Leadership Award Scholar

2017

Stanford ProCo, 4th Place Speed Round (50+ Teams)

2016

Harker Programming Invitational, 4th Place (30+ Teams)

2016

USA Computing Olympiad, Silver Contestant

2015

Languages: Python, Java, Node.js, JavaScript, HTML/CSS, SQL

Frameworks & Tools: Flask, Express, MongoDB, Django, UNIX, Git, jQuery/AJAX