Eashaan Katiyar

(916) 850-0708 eashaank@berkeley.edu **github.com/eashman123**

EDUCATION

University of California, Berkeley — *Electrical Engineering & Computer Science*

August 2017 - May 2021 (expected)

GPA: 3.67

Technical Courses Taken:

- Designing Information Devices and Systems I & II
- Structure and Interpretation of Computer Programs - utilizing Python, Lisp (Scheme), and SQLite
- Data Structures - utilizing Java
- Discrete Math and Probability Theory
- Physics for Scientists & Engineers: Mechanics and Wave Motion, Electricity and Magnetism
- Multivariable Calculus

TECHNICAL SKILLS

Programming Languages:	Python, Lisp (Scheme), Java
Web Development:	HTML, CSS, Javascript, Bootstrap
DBMS:	PostgreSQL, SQLite
Tools/Technologies:	Git, Bash, MS Office, AutoCAD, PyCharm, Eclipse, IntelliJ, Android Studio, Heroku, Flask, Jupyter, Latex
Operating Systems:	Windows 7/8/10, Linux (Mint, Kali)

WORK EXPERIENCE

Intern at neurIOT

June 2018 - August 2018

- Worked on an application that extracted fashion features from sunglass images (shape of lens, colors of frame, etc.) in order to predict future sales of potential designs through a ML model
- Used OpenCV, scikit-learn, and Jupyter notebook in order to conduct image classification and feature extraction
- Built software demos for use in presentations and meetings with third-party clients

Software Developer at Goodly Labs

September 2018 - Present

- Work as a Front-end Developer for the Public Editor Project, where I am working on the user dashboard, which allows users to navigate through scored articles as well as contribute to the system by scoring new articles.
- Utilize HTML, CSS, Javascript in order to build functional features such as filters and a search engine, as well as building a visually pleasing website.

Tutor for Structure and Interpretation of Computer Programs

August 2018 - December 2018

- Lead a small-group tutoring section to reinforce Computer Science concepts taught in lecture.
- Hold office hours, during which I help students with lab, homework, and projects for the class
- Create content to be used in future iterations of the course.

PERSONAL PROJECTS

Reddit Recommends — November *2018*

- Built a website that compiles online community reviews of products (such as earphones, protein powder, etc) into an easy-to-use web app. Written in Python, it uses Flask, machine learning and natural language processing to extract and run sentiment analysis on reviews.

Hear2See: Android App for the Visually Impaired — Spring *2017*

- Created an Android app targeting colorblind users to aid in tasks that require color recognition, such as cooking, digital art, etc.

Discord Messaging Bot — *Summer 2017*

- Built a Messaging Bot for the EE/CS community at Berkeley. Written in Python utilizing asynchronous programming, deployed as a cloud application through Heroku.

Writing Portfolio — *May 2017*

- Created a website utilizing CSS, HTML, and Bootstrap to host a writing portfolio - showcasing my written work throughout high school.

ADDITIONAL EXPERIENCE

Senior Mentor at Computer Science Mentors

January 2018 - Present

- Mentor students in EE concepts and practice problems for the Designing Information Devices and Systems course. As a senior mentor, I also help new members of the club with teaching and conduct content creation and review.

VEX Robotics — *Lead Programmer*

June 2014 - May 2016

- Held an integral role in developing the code used at competitions, building a functional and competitive PID from scratch for competition use. Conducted extensive programming in C.
- My team qualified for state both years, and held the record for highest competition score for a month during the 2015-2016 season

AWARDS

Berkeley Leadership Award - 2017 award by Cal Alumni Association

Comcast Leaders and Achievers Scholarship - 2017 award by Comcast/NBCUniversal

Andy Grove Scholarship - 2017 award by Intel

Society of Military Engineers Scholarship - 2017

National Merit Scholarship Finalist - 2017