

# Zaryab Farooq

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, DAVIS

B.S - COMPUTER SCIENCE

Expected June 2019

GPA: 3.5

## LINKS

[www.github.com/zaryabfarooq](https://www.github.com/zaryabfarooq)

[www.linkedin/in/zaryabfarooq](https://www.linkedin/in/zaryabfarooq)

## SKILLS

### PROGRAMMING

- Go • Python • C/C++
- HTML • CSS • JavaScript
- React • Ajax • Node.js
- MATLAB

### OPERATING SYSTEMS

- Linux • Windows • OS X

### FRAMEWORKS AND TOOLS

- Git • VS Code • Xcode • Atom
- Sublime • Github • Bitbucket

## COURSEWORK

- Data Structures
- Algorithms and Design
- Operating Systems
- Programming Languages
- Artificial Intelligence
- Web Programming
- Computer Vision
- Computer Architecture

## LEADERSHIP

### LOCAL YOUTH LEADER

November 2015 – Present

Duties range from teaching monthly classes, organizing community service activities and biannual exams for boys between 7-15 years old and frequently communicating with parents.

## WORK EXPERIENCE

### Mobitv, Inc | SOFTWARE ENGINEERING INTERN

June 2018 – Sep 2018

- Worked on tools to automate productions and configurations for the SRE team.
- Created a command line tool to manage multiple Git repositories in Go.
- Integrated Git API for Go to develop the tool.
- Created language parser to facilitate Load Balancing.

### MKA USA | SOFTWARE ENGINEERING INTERN

June 2017 – Present

- Maintaining and editing the website for Youth Affairs, MKA USA (atfalusa.org)
- Adding new webpages, updating content using HTML, CSS, JavaScript.

### CITY OF BENICIA | IT INTERN

Dec 2017 – Jan 2018

- Using a cloud-based solution called Granicus to organize and archive the data from year1998-2017.

### COMPUTER SCIENCE TUTOR

April 2018 – June 2018

- Helping undergrad students test and debug code of topics ranging from Object Oriented Programming, Data Structures and Algorithm Design.
- Programming languages on which the help is needed: C, C++, Python, Java

## PROJECTS

### NOMNOM | HTML, CSS, JAVASCRIPT, AJAX, GOOGLE VISION

Created a Photo Journal Web Application in HTML, CSS, JavaScript and Ajax that estimates the calories of a given food through its photo.

### PHOTOBASE | HTML, CSS, JS, NODE.JS, GOOGLE VISION

Created a web app with similar functionality to Flickr. Allows user to search for pictures with keywords. Similar pictures are displayed on to the page. Used multiple tools like sqlite3, node.js.

### IMDB SENTIMENT ANALYSIS | PYTHON

Implemented a Binary Naive Bayes Classifier using Laplace Smoothing to classify IMDB reviews into negative and positive categories with 86 percent accuracy.

### UNIX/LINUX SHELL AND FAT FILE SYSTEM | C

Designed a command line interpreter (shell) that executes user commands by making system calls to kernel. Implemented FAT file system on a virtual disk using first-fit disk data block placement

### FEATURUE DETETCTION AND MATCHING | MATLAB

Implemented algorithms like KMean to use SIFT patches to match similar sequence of screenshots of a video.