

# Bryan Ko

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## EDUCATION

### UC SANTA CRUZ

#### BS IN COMPUTER SCIENCE

Expected June 2018 | Santa Cruz, CA

Cum. GPA: 3.17/4.00

## COURSEWORK

### COMPUTER SCIENCE

Introduction to Data Structure

Data Structure

Abstract Data Type

Analysis of Algorithm

Computational Models

Compiler Design 1

Introduction to Software Engineering

Introduction to Operating Systems

Mobile Applications

Database System 1

### COMPUTER ENGINEERING

Discrete Math

Computer Systems & Assembly Language

Computer Architecture

Probability and Statistic for Engineers

### MATH

Calculus 1 / 2

Multivariable Calculus

Linear Algebra

## SKILLS

### PROGRAMMING LANGUAGES

Python

Java

HTML

CSS

Javascript

PHP

Visual Basic

### OPERATING SYSTEMS

UNIX

Windows 10

macOS

Linux (Ubuntu)

### APPLICATIONS

LaTeX

Microsoft Office

Putty

Eclipse

Visual Studio

Processing

Spyder

Android Studio

## EXPERIENCE

### BLUEJAY MOBILE HEALTH | WEB DEVELOPER INTERN

December 2016 - January 2017 | Pleasanton, CA

- Connected MySQL tables to webpage using PHP
- Used PHP code into HTML tables
- Used ThinkPHP framework (MVC) on AWS server
- Documented issues and commented code to pass back to the company
- Updated document containing the company's database in flowcharts using MySQL

### BLUEJAY MOBILE HEALTH | QA ENGINEER INTERN

August 2016 - September 2016 | Pleasanton, CA

- Black box tested Android, IOS, and web application
- Coded Unix time conversion to PDT then back to Unix time in PHP
- Created document containing the company's database in flowcharts using MySQL
- Made a Python script to help write some repetitive SQL code

## PROJECTS

### FAM | PROJECT OWNER

April 2017 - June 2017

The goal of the web application is to get a group of friends to coordinate and plan activities to do near the user.

- Led a team of 5
- Used AWS server running Bitnami
- MEAN stack framework to run the website

### RESUME WEBPAGE | DEVELOPER

April 2017 - Present

Developing a resume webpage to submit to future internship

- Learn how to use HTML / Javascript / Bootstrap / CSS / AngularJS
- Under development
- Webpage created through Github Pages

### TEXT FILE SEARCH | DEVELOPER

February 2017

Created a Python script that allows users to read all text file with a specific file extension and find specific information needed. The information that is found will be outputted to a text file.

- Learned how to read and parse text files in Python
- Outputted parsed information to text file

### ANDROID CALCULATOR | DEVELOPER

July 2016

Created an Android application that does simple math. Numbers and calculations are done through buttons on the screen

- Learn how to use Android Studio
- Can perform addition, subtraction, multiplication, and division

## VOLUNTEER WORK

### INTERACT CLUB (DVHS) | WEBMASTER

August 2012 - June 2013

- Redesigned webpage using Google Sites to make the UI cleaner and easier to navigate
- Updated content of webpage frequently when new volunteer work is found
- Led volunteers at events