

Bryan Ko

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EDUCATION

UC SANTA CRUZ

BS IN COMPUTER SCIENCE

Expected March 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

Java, Python

HTML, CSS, Javascript

SQL, 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

WELP | PROJECT OWNER/DEVELOPER

October 2017 - Present

Developing a recommendation application that takes current and future weather and suggest things to do.

- Learn how to develop an Android application
- Used Yelp and Google API to get information needed

FAM | PROJECT OWNER/DEVELOPER

April 2017 - June 2017

Created a web application 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

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