Bryan Ko

+1 925-577-5607 | imbko614@gmail.com | https://github.com/BryanKo | www.linkedin.com/in/bryan-ko

EDUCATION

UC SANTA CRUZ
BS in Computer Science
Expected June 2018 | Santa Cruz, CA
Cum. GPA: 3.20/4.00

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
Comparative Programming Languages
Web Applications
Software Design Project

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
Developing an easier way for therapist and patients to communicate.
- 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 - December 2017
Developed a recommendation application that takes current and future weather and suggest things to do based on time.
- Learn how to develop an Android application
- Learned how to use Yelp Fusion and Dark Sky API

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