

Bryan Ko

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EDUCATION

UC SANTA CRUZ

BS IN COMPUTER SCIENCE

Expected June 2018

Cum. GPA: 3.23/4.00

DOUGHERTY VALLEY HS

Graduated June 2014

LINKS

GITHUB

<https://github.com/BryanKo>

LINKEDIN

www.linkedin.com/in/bryan-ko

WEBSITE

<https://bryanko.github.io/>

SKILLS

PROGRAMMING

Java
Python
Visual Basic
HTML
CSS
Javascript
SQL
NoSQL
PHP

APPLICATIONS

Git
Putty/Terminal
Node.js
IntelliJ/Eclipse/Spyder
Android Studio
LaTeX
Processing
Visual Studio
AngularJS
ReactJS

COURSE WORK

Algorithms Analysis
Algorithm & Abstract Data Types
Compiler Design I
Comparative Programming Languages
Operating Systems
Database System I
Mobile Applications
Web Applications
Software Design Project I/II/III
Artificial Intelligence

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 HTML tables using PHP
- 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

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
- Made a Python script to help write some repetitive SQL code

PROJECTS

AMAZON IOT CONSOLE | SCRUM MASTER/DEVELOPER

January 2018 - Present

Creating a MERN stack web application that allows IoT device users and developers to easily gather and display AWS IoT data.

- Communicate with IoT devices using AWS IoT console
- Define format of the data the IoT device sends
- Create data visualization

FOOD NOW | SCRUM MASTER/DEVELOPER

January 2018 - March 2018

Creating a MERN stack web application that that will take a user's input and suggest foods based on the parameters

- Pull Yelp Fusion API through Node.js
- Create an algorithm to manipulate Yelp data based on user's input
- Set up back-end database and server

WELP | PROJECT OWNER/DEVELOPER

October 2017 - December 2017

Developed an Android recommendation application that takes current and future weather and suggest things to do based on time.

- Bundled data from one activity to another
- Created a simple algorithm that gives suggestion based on the category chosen
- Pulled Yelp Fusion and Dark Sky API

FAM | PROJECT OWNER/DEVELOPER

April 2017 - June 2017

Developed a MEAN stack web application to get a group of friends to coordinate and plan activities to do near the user.

- Used Angular Google Maps
- Stored user input and display inputted data on the map
- Hosted web application on AWS server running Bitnami

VOLUNTEER WORK

INTERACT CLUB (DVHS) | WEBMASTER

August 2012 - June 2013

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