Jordan Knox

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Education

Computer Science   **08/2017 – present**
University of California, Berkeley   Berkeley, CA
Coursework: Data Structures, Structure and Interpretation of Computer Programs, Machine Structures, Social Implications of Computer Technology, Computer Graphics, Internet Architecture, Cybersecurity, Designing Information Services and Systems

Languages/Skills

Programming: Javascript, Python, Java, C/C++, Go, SQL, Git, HTML/CSS, SVG
Skills: AWS, Linux, node.js, Adobe Creative Cloud, Jenkins, Web Scraping

Work experience

Software Engineering Intern   **05/2019 – 01/2020**
Aiqudo   Campbell, CA
- Created an OAuth 2.0 pathway to validate the system to function as the user
- Utilized a RESTful API to build the backend of 18+ actions
- Integrated a variable user interface for custom user interactions
- Implemented a reporting program to the backend to provide diagnostic information on all incidences of failure
- Initialized a database of over 10,000 knowledge entities to connect with existing neural net of data

Technician   **02/2018 – 05/2019**
International House   Berkeley,CA
- Reprogrammed the user interface for the sound control system
- Calibrated lighting and sound systems for easier control
- Implemented a power monitoring system in order to decrease excess power usage by 25%

Projects

Text Editor   **01/2020**
Java
- Created a Java based text editor which implemented word wrap and cursor selection
- Utilized JavaFX

ParkingFinder   **01/2020**
Javascript/Java
- Produced an application that will use public databases to find the closest available free parking at any given location
- Notifies user if they can park somewhere and of any local traffic ordinances they may be unaware of using web scraping and public api's

DangerAlert   **08/2019**
Javascript/Swift
- Created an app that scrapes several public databases in real time to find instances of crime or natural disasters in the users area
- Sends notifications to the users phone in order to keep them safe and alert for any criminal activity or other dangers in their area

BearMaps   **03/2019**
Java
- Constructed a map application using images and data from the OpenStreetMap project, creating a Google Maps like interface for the area surrounding Berkeley
- Like Google Maps, BearMaps can find the fastest route between any two points and can display any part of the region in a variety of zoom levels

Volunteering

Vice President of Loss Prevention   **05/2019 – 01/2020**
Delta Upsilon
- Full time responsibility to risk management for the chapter and to ensuring accountability of all members
- Serve as the public face for the organization at all community events, and accountable for the actions of the chapter
- Worked with the Berkeley Fire Department to ensure 20 events are fully safe for all those attending and the property is up to code

Peer Tutor   **08/2015 – 06/2017**
West Forsyth High School
- Worked with over 50 struggling students to lift their grades and learn how to succeed academically
- Led a weekly college application workshop to help students apply to colleges