William Peng

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in wwpen

Skills

Languages
Java
C++
C#
C
Python
Swift
RISC-V
SQL
HTML
CSS
JavaScript

Frameworks/Libraries
PostgreSQL
MS SQL Server
SQLite
OpenCV
Android Studio
Xamarin
ASP.NET
Google Web Toolkit
JavaFX
LaTeX
Git

Operating Systems
Windows
macOS
Linux (Ubuntu, Raspbian)

Education

University of California, Berkeley	*Berkeley, CA*
BA Computer Science	*Aug. 2016 - May 2019*

GPA: 3.38
Major GPA: 3.50

Coursework
CS 170: **Algorithms**, CS 188: **Artificial Intelligence**
INFO C260F: **Machine Learning in Education**
CS 186: **Database Systems,** CS 168: **Internet Architecture & Protocols**
CS 61B: **Data Structures**, CS 61C: **Machine Structures**
CS 70: **Discrete Math and Probability**
EE 16A: **Circuits and Information Devices**

Work Experience

UC Berkeley / Sonoma Quaternary Lab	*Berkeley, CA*
Researcher / ML Software Developer	*Aug. 2018 - Present*

Developing computer vision applications that streamline environ-mental lab & management work (e.g. extracting data from pictures of samples, analyzing biomass of an area from pictures).
-Developing & testing Python scripts to optimize data.
-Building mobile & desktop apps using Android Studio and JavaFX.
-Implementing OpenCV's machine learning modules in scripts.

QPi Education	*Berkeley, CA*
Backend Software Developer	*May 2018 - July 2018*

Built a web platform for students & teachers to communicate on.
-Integrated platform data with PostgreSQL (AWS RDS).
-Designed DB structure and organize DB ER diagrams.
-Used Google Web Toolkit in Java to build & write server-side code.

Projects

Stampz Rewards	*Berkeley, CA*
http://www.stampz.me	*Oct. 2017 - April 2018*

Created a mobile/web application rewards program for stores.
-Mobile tablet application written in Xamarin (C#, XML).
-Application and Customer information backed by MS SQL Server.
-Web portal created using ASP.NET (C#, HTML, CSS, JavaScript).

Personal Portfolio Website
http://williampeng20.github.io
Portfolio of coding and photography work.
-Using HTML, CSS, JavaScript