

William Peng

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📍 Berkeley, CA

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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

Unity

LaTeX

Git

Operating Systems

Windows

macOS

Linux (Ubuntu, Raspbian)

Education

University of California, Berkeley

BA Computer Science

GPA: 3.38

Major GPA: 3.50

Berkeley, CA

Aug. 2016 - May 2019

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

BRAVO Research Lab

Berkeley, CA

Mobile / VR Software Developer

Sept. 2018 - Present

Creating software prototypes for on-board activities in future autonomous vehicles, such as immersive virtual reality de-stressing environments and an intuitive mobile ride-sharing app.

-Writing C# scripts for environment interaction in Unity.

-Designing 3D models in Blender to import into Unity.

UC Berkeley / Sonoma Quaternary Lab

Berkeley, CA

Researcher / ML Software Developer

Aug. 2018 - Present

Developing computer vision applications that streamline environmental 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