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CAMERON FRANKLIN

Education

University of Southern California

MS Computer Science (Software Engineering) January 2022-May 2024 (Expected)

Pepperdine University

BS Computer Science/Mathematics August 2018-May 2021

GPA: 3.4, SPE Honors

Employment

Reddit

San Francisco (Remote), CA

Software Engineer Intern

May 2022 – August 2022

- Contributed to the development of an engine for sustainable self-serve advertiser growth while working with full-stack applications
- Developed in Python, Postgre, SQL, React (Components, TypeScript) and BigQuery. Developed Python models that interacted with databases

Pepperdine University

Malibu, CA

Application Developer Intern

June 2020 – July 2021

- Independently developed full-stack web applications/forms using Microsoft's ASP.NET framework for the University's website
- Exposed to the full development life cycle, including AGILE methodology (requirements gathering, software design, software development, testing, documentation, and end user training). Maintained and administered existing code for University webpages

Franklin Realty & Investments

Lancaster, CA

Software Engineer

October 2021 – Current

- Ongoing freelance website development for my father's real estate company (part-time contract work)
- Implementing frontend (React) and backend (ASP.NET MVC) local search engine tool for available properties, using public API database (Zillow). Implementing additional features for clientele using a web-scraped SQL database I created and maintain.

Northrop Grumman Corporation

Palmdale, CA

Engineering Intern

Jan. 2018 – May 2018

- Assisted systems engineers in analyzing system capabilities to resolve problems with output requirements, input data collection, diagnostic tests, and programming techniques.
- Aided in the investigation of aircraft non-conformances & developed local additive manufacturing processes using 3D CAD software

TakeOver

Lancaster, CA

Co-Founder, Developer

September 2021 – Current

- Leading full-stack development of a sports social media web application with React frontend and Node.js backend

Projects

IRIS Mobile Proximity Security System

January 2018 – Current

Links: <https://lemelson.mit.edu/teams/soar-early-college-high-school-inventeam>, <https://bit.ly/3bsN5Su>

- Mobile security device receiving U.S. Patent No. 10, 529, 216 in January of 2020.
- Lead application development of the mobile Bluetooth companion app, developed in Android Studio, that received data from the IRIS device (Java).
- Responsible for testing and debugging issues with Arduino breadboard components, Bluetooth modules (transmitter/receiver), and Android Studio application. Product received \$10,000 MIT InvenTeam Grant

Twilio Chatbot External Updater Application

July 2020 – Current

- Created application to externally update university chatbot responses (Repurposing for my start-up application)
- Built single-paged frontend application using jQuery, JavaScript & ASP.NET MVC 5 Framework w/ CRUD functionality

NBA Scores/Simulator Site

February 2022 – Current

- Developed Python script and REST API to scrape NBA scores and stats
- Implementing full-stack site with fantasy simulator tools, live scores, and more

Coursework

Software Architecture
Testing and Analysis of SS
SM Economics
Analysis of Algorithms
Requirements Engineering
Data Structures
Programming Paradigms
Programming Principles
Operating Systems
Discrete Structures
Automata Theory
Computer Networks

Skills

PROGRAMMING LANGUAGES

Python
JavaScript
TypeScript
C#
C++
Java
Swift
Lisp

WEB DEVELOPMENT

Node.js
Express.js
React
Angular
jQuery
ASP.NET MVC
HTML/CSS
SSH

DATABASES

SQL
PostgreSQL
BigQuery
MongoDB

CLOUD COMPUTING

Azure
AWS

SOURCE MANAGEMENT

Git
GitHub