

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: 3.45, SPE Honors

University IT Assistant

Employment

Pepperdine University IT

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
- Introduced to React ecosystem and Angular framework through collaborative intern assignments

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

- Start-up venture to build P2P sports networking and fantasy analysis site
- Leading full-stack development of 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 Task External Updater Application

July 2020 – Current

- Created application to externally update university chatbot responses
- Implemented **SQL** backend to import data from a university vendor (Twilio) via API call
- Built single-paged frontend application using jQuery, JavaScript & ASP.NET MVC 5 Framework
- Developed full CRUD functionality of data for enhanced UI and data processing/handling

Portfolio Site

October 2021 – Current

Links: cameronfranklin.github.io, github.com/cameroncfranklin

- Responsive portfolio website created with React and Node.js
- In depth use of Reacts reusable component architecture

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
Operating Systems
Computer Networks

Skills

PROGRAMMING LANGUAGES

Python
C#
JavaScript
C / C++
Java
Swift

WEB DEVELOPMENT

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

DATABASES

SQL
MongoDB

CLOUD COMPUTING

Azure
AWS

SOURCE MANAGEMENT

Git
GitHub