

# Cameron Franklin

## Education

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### 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

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### 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

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### 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 Task External Updater Application

July 2020 – Current

- Created application to externally update university chatbot responses (Repurposing for my start-up application)
- 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](https://cameronfranklin.github.io), [github.com/cameronfranklin](https://github.com/cameronfranklin)

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

## Coursework

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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

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### 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