

Peter Yang

Full-Stack Software Engineer

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Education

University of Southern California

January 2017 – May 2020

Computer Science / Business Administration, B.S.

Viterbi School of Engineering, Marshall School of Business

Experience

AITmed Inc. Anaheim, CA

May 2018 – August 2018

Lead Software Engineer

JavaScript + React, Python + Django

- Managed a team of 9 developers to deliver a HIPAA-compliant telehealth MVP within 3 months
- Hosted daily scrum meetings following an Agile software development lifecycle with 2 to 3-week sprints
- Developed a mobile-friendly React-based SPA while overseeing feature parity on Android and iOS
- Built API with Django REST Framework capable of searching and ranking available appointments
- Leveraged PostgreSQL's full text search to build an index on over 71,000 ICD10 codes and descriptions

Acclaim Academic Institute La Palma, CA

August 2016 – Present

Full-Stack Web Developer

TypeScript + React, Python + Django, [Legacy: PHP, MySQL, JavaScript]

- Collaborated on GitHub by using Issue Tracking and Pull Requests to schedule Milestone releases
- Deprecated a third-party API in favor of an in-house solution, reducing human error by up to 20%
- Created world-wide scheduling system to accurately track students, attendance, and progression
- Automated labor hour verification, tallying, and payroll calculation, reducing a 3-day process to 1 day

A&C Urgent Care Inc. Anaheim, CA

May 2017 – August 2017

Full-Stack Web Developer

JavaScript + React, Python + Flask

- Designed & implemented frontend to schedule appointments based on doctor availability in database
- Used server-sent events with Python to give live notifications to patients when doctors were ready
- Integrated TokBox's WebRTC-based JavaScript library to provide in-browser video calls

Projects

TCS Overwatch Elo Rankings

October 2017 – November 2017

Tespa Collegiate Series

Python + Flask, D3.js

- Scraped data from over 1400 players across 213 collegiate teams to predict weekly match results using the Elo system ($\kappa = 50$)
- Graphed performance trends and team strengths and weaknesses in map pool with D3.js

Image Classification & Analysis

February 2017

Caltech Hackathon

Python + Flask, Microsoft Cognitive Services

- Utilized Microsoft Cognitive Vision API to calculate a similarity value between multiple images by using weighted edge graphs
- Found common words in Reddit comments by generating word clouds to compare similarity value

Activities

USC Overwatch Team

September 2017 – Present

Captain, Support Player

- Focused on improving team communication, leading team to semifinals in the inaugural PACG season
- Worked with faculty and student leaders to bring a legitimized collegiate esports program to USC

Skills

Frontend JavaScript, TypeScript, React, Webpack, Babel, jQuery, HTML, CSS

Backend Python (Django, Flask), PHP, C++, Java, SQL

DevOps Git, UNIX, bash, NGINX, Docker, AWS