Peter Yang

Incoming Software Engineer Intern at Microsoft

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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

Projects

Dog Instrucc   February 2019
SLOHacks @ Cal Poly SLO   *JavaScript + React, Python + Flask, Google Cloud Platform*
- Built automated dog training web application to interface with Dragonboard 410c (IoT device)
- Performed polynomial curve fitting on accelerometer data with NumPy to evaluate performance error

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
Hacktech @ Caltech   *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, Java, C++, SQL, NoSQL (Firestore)
DevOps Git, UNIX, bash, NGINX, Docker, Amazon Web Services, Google Cloud Platform