John Joseph Marshall

Software Engineer

Contact Info

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Education

Bachelor of Sciences / Computer Science

University of Southern California,

Viterbi School of Engineering

2017 – 2021

GPA: 3.62 / 4.00

Coursework

Data Structures and Object-Oriented Design

Discrete Methods in Computer Science

Introduction to Algorithms and Theory of Computing

Introduction to Artificial Intelligence

Introduction to Computer Systems

Skills

Front-end: JavaScript + React.js + TypeScript, jQuery, HTML

Back-end: C++, Go, Java, SQL, Python + Django

DevOps: Git, npm, GCP

Experience

Acclaim Academic Institute   October 2019 – Present

Full-Stack Developer / Part-Time   *React.js + TypeScript, Python + Django, SQL*

- Collaborated with a team of 4 developers to refine the online education experience for students
- Introduced a new feature that allows teachers and staff to track individual progress of the over 200 students' reading capabilities
- Implemented a dynamic pdf certificate generator to allow staff to present awards to each student for their achievements

Projects

Momento Los Angeles, CA   January 2019 - Present

Software Engineer   *C#, SQL, Unity*

- Research new ways to innovate the field of VR intimacy and user experience into a new growing technology trend
- Entered a partnership with Facebook to present an immersive virtual experience to their Oculus team while tracking user behavior in the VR world

Code Norms Los Angeles, CA   March 2019

Back-end Developer @HackCodeNorms   *Go, Heroku, NoSQL*

- Presented a safe space social media application for Multiple Sclerosis communities to encourage one another while individually assisting them with their daily and long-term goals
- Utilized a MongoDB database to record user goals and initiatives while also interpreting that information in a virtual map

Hitch 'n Ditch Los Angeles, CA   April 2019

Software Developer   *Go, Google Maps API, SQL*

- Engineered an application that helps consumers traverse the distance more conveniently by combining car rental + sharing into a single system
- Implemented a solution with Google Maps API to determine the best starting and landing positions for the vehicles to encompass the most people possible

Activities

USC Taiwanese American Organization

Director of Membership + Family Head Coordinator

- Kickstarted the club's most peak year with the recruitment of over 120 new members and hosted events with over 50% member retention rate as a large public student organization