

KYLE THIEN NGUYEN

Software Engineer

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WORK EXPERIENCE

Apogee International Marketing

July 2020 – Current

Algorithmic Trading Software

- A private internal **C#** based **Windows Form** application that allows firms to automate their trading strategies in options, futures, and stocks. This high speed application acquires profit at a speed and frequency that is impossible for a human trader to accomplish.
- Utilized a **RESTful API** with **OAuth** to streamline data for over 10,000+ stocks used to create a base for automated trading instructions.
- Created a system that places automated trades based on highly volatile factors in securities such as time, price, and volume.

ModelZ360

- An **ASP.Net MVC** Web Application that was created to unite a network of models, agencies, and creative professionals under a premier a single international network.
- Took part in the **UI/UX** team who delivered the redesigns of the content, layouts, and navigation.
- Improved server query response times in casting calls, member searches, and posts by 20% using SQL optimization techniques.

Freelance Software Engineer

Sep. 2020 – Oct. 2020

Luxury Presence

- Helped deliver a feature in a **Node.js** Web Application that moved all static template-specific styles to S3 and serve it through CloudFront.

PERSONAL PROJECTS

PIXL Heatmaps

May 2020

- Using the **D3.js** library and the data provided by NASA JPL, a simple web service in **Node.js** created to add a baseline visualization of the data and an analytical view was provided to show the relationship of PIXL data and the textures on the context image.

Schedule Simulator

Sep. 2019 – May 2020

- Created a web application using **ASP.NET Core's Razor pages** with a front-end in **JavaScript/jQuery**, **Bootstrap 4**, **AJAX**, and a back-end in **C#** to allow students to simulate 1000s of combinations of classes that would fit into their current schedules.

Project Management System

Aug. 2018

- Developed an agile approached project that mimicked the Microsoft Project tool that was created in a team of 6 into a three tiered web application. The application utilized **ASP.NET's Web Form** with a back-end in **C#** and a front-end in **JavaScript** and **AJAX Control Toolkit**.

Secret Santa

Dec. 2018

- Designed a three tiered web application using **ASP.NET**, **JavaScript**, and **AJAX** with a back-end in **C#** to facilitate a Secret Santa event involving 25 people.

EDUCATION

B.S. Computer Science

California State University Northridge

📅 Aug. 2017 – May 2020

🎓 GPA: 3.69

LANGUAGES & TOOLS

Web Development

HTML5 CSS JavaScript/jQuery
PHP React Angular AJAX
Bootstrap D3.js

Native Application Development

MASM x64 C C++ C# Python
Java

Server-Side Development

ASP.NET ASP.NET Core
ASP.NET MVC Razor Pages Node.js
Oracle SQL Server MySQL

Software & Technologies

Git Jira Bash Selenium IIS
AWS S3 Flask Azure GCS
Oracle Cloud RESTful API MVC
Visual Paradigm Balsamiq Mockups
Client-Server Multithreading
Networking Agile Scrum

REFERENCES

Ron Hay

July 2020 – Current

👤 Apogee International Marketing CEO

✉ rhayworldwide@gmail.com

Afshin Amini

Fall 2019 – Spring 2020

👤 CSUN Computer Science Professor

✉ afshin.amini@csun.edu

Mohammed Abdelrahim

Fall 2017

👤 CSUN Computer Science Professor

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