

Professional Experience

First American Title (Feb 2020 - Present)

Promoted to Software Engineer (Dec 2020 - Present)

Associate Software Engineer (Feb 2020 - Nov 2020)

- Led a team of two other engineers to create a centralized identity service built on .NET 5 and utilizing Azure Kubernetes Service
- Worked on the entire stack, including DB work, API work, middleware work, and front end work
- Utilized C#, .NET Core, SQL, JavaScript, and other languages/tools on a daily basis
- Created and supported a SPA utilizing React.js
- Developed a new CI build pipeline for an application which cut build times in half
- Managed an intern enable his development of a new, secure login technology for an application

Skyworks Solutions, Inc. (June 2019 - Jan 2020)

Software Engineer Intern

- Developing custom automation solutions to decrease cycle time of tapeout production
- Implemented best practices in the position such as Kanban, Agile epics and stories, and CI/CD to improve code quality and workflow
- Maintaining a full stack web application and RESTful API that utilize ASP.NET Core, MVC, Entity Framework Core, and C#
- Improved design efficiency by 80% by writing a shell script automation

Axxiom Data, Inc. (May 2017 - September 2017)

Software Intern

- Developed new features for Axxiom's content management system using PHP
- Improved product creation speed by 180 times by implementing an automation solution using Python
- Improved development time by introducing Git and leveraging its use

Education

University of California, Irvine (March 2020)

B.S., Computer Science and Engineering

GPA: 3.28

College of the Canyons (June 2016)

A.S., Mathematics - magna cum laude

GPA: 3.73

Projects

Sudoku Solver (2020): [Link](#)

- Created an application which solves a given sudoku puzzle using a backtracking algorithm
- Learned Flask, React.js, and Jinja while writing the application

Yelp Clone (2019): [Link](#)

- Designed a full-stack application that replicates Yelp for campgrounds
- Implemented using MongoDB, Express.js, and Node.js
- Features authentication, sessions, notifications, and other features using various JavaScript packages

Python SoundCloud Scraper (2019)

- Created and scheduled a CRON job to run a Python script to scrape the SoundCloud website
- Utilized the Twilio API to send an SMS to myself whenever certain artists' uploaded new music

EthicsViz (2018): [Link](#)

- Worked with Professor Matthew Bietz at the University of California, Irvine to develop a system to analyze users' online data
- Utilized the JavaScript library D3.js for data-driven documents
- Sponsored by the National Science Foundation to investigate pervasive data ethics

Other Experience

SD Hacks 2019 - Spotify Mood Ring: [Link](#)

- Designed a web application using Node.js, Express.js, EJS, and Bootstrap 4
- Application consumes the Spotify API and requests the user's top songs, related artists, and acoustic information for the songs
- Created a display page which plots the user's top songs using Chart.js according to danceability, valence, and popularity

UCI Blockathon 2018

- Engaged in multiple workshops setting up and using blockchain platforms presented by companies such as nem, Hyperledger, and ConsenSys

Engineering Conference UCI 2019 - Published Paper: [Link](#)

Project Manager, Design Lead

- Led a team in researching and compiling a 41 page research report on the implementation of an automated greenhouse
- Researched and described a convolutional neural network that would increase crop yield every iteration
- Won the conference and had the report published by the University of California, Irvine

Kappa Sigma Fraternity

Vice President, Treasurer, Website Designer, Recruitment Chair

- Organized biannual recruitment for three years
- Managed a \$150,000 yearly budget
- Designed the organization's website using HTML, CSS, and JavaScript

Technical Skills

Languages: C#, JavaScript, Python, Perl, Java, SystemVerilog, Bash, HTML, CSS, C, C++, SQL, L^AT_EX

Tools: Azure, Kubernetes, Docker, AWS, SQL Server, .NET Core, .NET Framework, Node.js, Express.js, MongoDB, Linux