Michael Schodin

Software Engineer driven by learning the latest tools and technologies

+1 847 826 0217
Michael.Schodin@gmail.com
MichaelSchodin.com
linkedin.com/in/mschodin
github.com/mschodin

Experience

TaxAct — Software Engineer

May 2021 - Present | C#, C++, Javascript, .NET 5, Azure Devops, AWS, SQL Server

- Write modern, scalable, robust code for the Tax Pro product to develop new features desired by tax professionals and modernize the desktop application
- Upgraded .NET framework and packages to improve security and performance, and be asynchronous in over 14 projects including desktop software, REST API's, and internal tools
- Collaborate with a multi-disciplinary team of engineers, UI/UX designers, tax professionals, and product owners to build new features for the desktop application

OpComm Inc — Software Engineer

January 2022 - Present | .NET 6, C#, Blazor, MAUI, Syncfusion, Xamarin Forms, Azure

- Designed and developed mobile communications app to enable hospital patient's families to message with surgical case team members using MAUI, Blazor, and .NET 6
- Created and upgraded 22 reports & analytics to be manipulatable, clear, and fast for surgical data visualization using Blazor, Syncfusion, and .NET 6
- Implemented control interface to filter and compare datasets to identify patterns

Collins Aerospace — Software Engineer Co-op

January 2019 - April 2021 | Java, Python, Docker, Postgres, JUnit, Centos

- Developed structures and interfaces to translate messages for facilitation of air-to-ground and air-to-air communication on the TCTS II Program
- Restructured verification test suite to be fast, thorough, and consistent in the CI/CD process
- Installed software in lab environments and collaborated with multiple teams to test software integration in a deployment environment

The University of Iowa — Teaching Assistant

August 2020 - December 2020 | Python

- Led office hours teaching internet protocols, network architectures, and packet transport

Projects

UVC Covid-19 Disinfection Device — C++, React-Native, Arduino

- Designed and engineered a handheld device that utilizes UVC LEDs to disinfect surfaces.
- Built using an Arduino programmed in C++, bluetooth serial communication, and an Android application programmed with React-Native & deployed to the Google Play store
- Led team of four engineering students, scheduled meetings, and divided the 9 month project into two-week sprints for both software and hardware groups within the team

SPA Website for The Grapevines Band — React, Express

- Designed and built a modern SPA website, using React & Express for my band, The Grapevines, to promote original music, upcoming shows, and band media.

Mask Detection & Temperature Reader — Python, Firebase

- Built a device that determines if a person is wearing a mask or has a fever by analyzing footage in real time with machine learning libraries & raspberry pi

Skills

Programming Languages
C#, Java, Python, C++, Javascript, Ruby, Rails, Matlab, HTML, CSS, YAML

Frameworks
.NET, React, React-Native, Blazor, MAUI, Express, Node.js, MFC, Xamarin Forms

Tools
AWS, Agile, SQL Server, Postgres, Docker, Heroku, Azure, Relational Databases

General
Agile, Leadership, Teamwork & Collaboration, Organization, Communication, Problem Solving

Education

The University of Iowa
B.S.E Computer Engineering
2016-2021

Interests

Performing music, camping, skiing, cooking, hackathons