
Amir Rasouli

arasouli91@gmail.com - (425) 728-0589

Education

Bachelors of Computer Science, Southern New Hampshire University

-Graduated November 2019

-GPA: 4.0

Skills

C++, C#/.NET, Algorithms and Data Structures, JavaScript, TypeScript, React/Redux, HTML/CSS, SASS, Python, Angular, JSON, XML, Playwright, Jest, Unit Testing, E2E testing, REST APIs, Blazor, SQL/MySQL, NoSQL, WebPack, Emscripten/WebAssembly, Linux, Object Oriented Design, UML, Git, Java, MongoDB, Powershell, Azure

Major Personal Projects

Graff Life - Cross-platform, multiplayer game developed with C++ using an ECS engine built from scratch. Compiled to WebAssembly, runs in browser and mobile. NodeJS server backend. Web app built with C#/Blazor and MySQL.

Omni Chess - Cross-platform game written in C# and with Unity3D.

YTX - React app using YouTube API to create a more fully-featured music player experience. NodeJS and MongoDB backend.

AI Language Learning Chatbot - In development. AI chats with user in target language. Integrates most effective approaches for language learning. React, NodeJS and Python.

DJ Assist - Allows user to save info about transitions made between songs while DJing. Analyzes songs for similarity. React/JS/HTML frontend, with NodeJS and Python on backend.

Work Experience

Microsoft, Software Engineer October 2022 - May 2024

- Worked on various projects involving frontend and backend development.
- Developed features using C#, Angular, React, JS/TS, Kusto, SQL, and Azure.
- Wrote E2E test Azure pipelines with TS, Playwright and Powershell.

Meta, Software Engineer December 2021 - June 2022

- Worked on an E2E testing platform for verifying user privacy commitments.
- Debugging test user events as they flow through backend systems. Hack/PHP.
- Developed a dashboard with React.

Microsoft, Software Engineer April 2020 - October 2021

- Worked on various projects involving frontend and backend development. Bing and MSN.
- Used C# w/ .NET MVC on backend.

- Frontend projects involved JS/TS, HTML, CSS/SASS, React/Redux, Blazor, etc...
- Developed a new page on MSN using React/Redux and C#.

Emerson, *Software Engineer Co-op* January 2019 - September 2019

- Worked on various projects, completed and added functionality to pre-existing projects.
- Developed C# utility programs for enterprise software, output to and configured by XML file.
- Added functionality to AMS Device Manager enterprise software, C++ legacy code.

Zamphyr, *Software Engineer Intern* April 2018 - August 2018

- Developing a multi-language, browser-based, embeddable IDE compiled to WebAssembly.
- Integrating C/C++ and JavaScript with Emscripten and WebAssembly.
- Multi-threading with HTML5 Web Workers.

Pulse-Micro, *Software Engineer Intern* January 2018 - April 2018

- Javascript, HTML/CSS, SQL, C#, and Java
- Work on a variety of codebases for web and mobile applications.

Santa Barbara City College, *Math Lab Tutor* January 2016 - June 2016

- Tutor all levels of math up to Calculus II.
- Tutor up to groups of 6 people at once, using whiteboards.
- Derive equations and give in-depth explanations of concepts.

For simplicity and relevance, I omit the various unrelated jobs I have held over the years.

Additional Languages: Intermediate Spanish, fluency in speaking Chinese Mandarin