

WINTER HARDCASTLE

Software Engineer

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TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, SQL, HTML5, CSS

Frameworks: React/Redux, Three.js, Express, Postgres, Sequelize

Tools & Methodologies: Git, Agile, Adobe Suite, Chrome Extension Development

EDUCATION

Fullstack Academy Web Development Bootcamp

Aug 2022 - Feb 2023

Software Engineering Certificate

Full-time, Full Stack Javascript Web Development Immersive

Berkshire Community College

Sep 2020 - Jun 2022

Relevant Courses: C++ I, C++ II, Systems Design, Prog. with Java, Data Science and Algorithms

Course Hours: 36

EXPERIENCE

Technology Fellow | Berkshire Innovation Center | Pittsfield, MA |

Aug 2021 - Sep 2022

- Administered an advanced suite of additive manufacturing technologies, from Bound Metal Deposition to Large format 3D printing(m³)
- Coordinated and developed mechanical/product engineering projects for member companies, implemented Agile practices and version control
- Educated students and member companies on virtual and mixed-reality devices. (HoloLens, Quest, Vive, Valve Index)

Robotics Intern | Anduril Industries (formerly Dive Technologies) | Quincy, MA | May 2021 - Jan 2022

- Worked within a highly motivated, multidisciplinary engineering team
- Spearheaded Dive Data Depot(See Technical Projects)
- Designed and deployed additive-manufacturing-focused parts for use in AUV testing
- Operated and ran testing with the Dive-LD, Dive's flagship vehicle

Service Desk Technician | Synagex | Pittsfield, MA | Oct 2020 - May 2021

- Successfully managed IT deployment projects - both hardware and software
- Wrote and presented cybersecurity and digital health talks to partner businesses
- Five-star service rating and excellent performance reviews

TECHNICAL PROJECTS

Fischer | Developer | Feb 2023 | [Fischer](#), [Github](#), [Extension](#)

Fischer is a Chrome extension that highlights misinformation across the internet. Combining OpenAI with crowdsourced knowledge verifies the "truthiness" of a piece of information. This information will be highlighted in red or green for all users to see as they're browsing the web and posted on our web app for user input and interaction.

- Developed using **Typescript**, **Next.js**, **Prisma**, and **SQL**, deployed on **Vercel** and **Supabase**
- AI fact-checking is done with GPT-3
- Designed and developed the Fischer Chrome Extension, and deployed it to the Chrome Web Store.
- Developed REST APIs for use across the extension and web app

Dive Data Depot | Lead Developer | Jun -Sep 2021 | ***Inquire for more information.***

Developed for Anduril Industries(formerly Dive Technologies), Dive Data Depot is a data aggregation and analysis program that obtains critical mission statistics from a vast amount of previously unused sensor data generated on Dive's flagship AUV (Autonomous Underwater Vehicle), the DIVE-LD.

- Built with **Python**, using the **pandas** library to build complex data structures
- Optimized to analyze millions of lines of data with the limited processing power of a NAS device
- Implemented across multiple operating systems for various purposes