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(m^3)
- 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 OpenAI's DaVinci API
- 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