WINTER HARDCASTLE

Software Engineer

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TECHNICAL SKILLS

Javascript, *Node*, ***React/Redux***, ***Python***, ***Git***, *Express*, *Postgres*, ***Sequelize***, *SQL*, *Agile Development*, *Adobe Creative Cloud*, ***Chrome Extensions/Chrome API***, ***Tailwind CSS***, *CSS3*, *HTML5*, ***Typescript***, *3D-Modeling*, ***Additive Manufacturing***

TECHNICAL PROJECTS

Fischer | **Developer** | Feb 2023 | Fischer, Github, Extension
Fischer is a fact-checking tool and chrome extension, developed to curb misinformation by democratizing the fact-checking process. Users can submit assertions from any website, which are initially fact-checked by AI, and then published on our website for other users to vote and comment on. These votes, in conjunction with the AI response and "expert" responses, constitute the "truthiness" value of a given assertion. The "truthiness" of assertions is displayed on the website from which the assertion was initially submitted, and is updated in real-time.
- Developed using **Typescript**, **Next.js**, **Prisma**, and **SQL**, deployed on **Vercel** and **Supabase**.
- AI fact-checking is done with OpenAI's Da Vinci 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

EXPERIENCE

Technology Fellow | **Berkshire Innovation Center** | Pittsfield, MA | Aug 2021 - Sep 2022
- Educated students and member companies on virtual and mixed-reality devices. (HoloLens, Quest, Vive, Valve Index)
- 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

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

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

VOLUNTEER EXPERIENCE
- **International Volunteer HQ** | Ho Chi Minh City, Vietnam | Jun/2019 - Jul/2019
- **Berkshire Community Radio Alliance |** Great Barrington, MA