Arjun Mehta

Calgary, AB, Canada │ arjun.mehta1001@gmail.com │ 403-703-5659
github.com/ArjunMehta01 │ linkedin.com/in/arjunmehta01 │ arjunmehta01.web.app

CAREER OBJECTIVE

Passionate software engineering student, skilled in web development and C++. Seeking to learn and add to software development as an intern. Gained software developer experience across multiple industries.

EDUCATION

University of Alberta   Class of 2024
Computer Software Engineering, BSc (Co-op)
Relevant Courses
- Object-oriented software design *(ECE 325)*
- Intro to tangible computing II *(CMPUT 275)*
- Intelligent Systems Engineering *(ECE 449)*

SKILLS SUMMARY

Technical: Python, Java, C++, C, JavaScript, ReactJS, NodeJS, TypeScript, HTML/CSS, Git, Figma
Other Skills: Blockchain, ESG's, Web Dev, Retinal Imaging
Top Soft Skills: Time Management, Leadership, Adaptability, Problem-Solving

WORK EXPERIENCE

PulseMedica   January 2022 - Present
Software Development Intern
- Developed full stack features for a laser eye surgery device and user interface (UI), primarily using C++ on the back end, Node API as intermediary, and React.js/Electron on front end
- Designed and implemented the application UI for a medical device demoed and submitted to stakeholders and regulators
- Developed over 20% of the test cases for the company's Health Canada ITA submission and wrote their related automated tests
- Implemented the device's laser and firmware control C++ modules which used the Windows API for USB communication with an field programmable gate array (FPGA) and laser
- *Technologies Used: ReactJS, NodeJS, TypeScript, C++, Node-API, Git, Figma*

Highwood Emissions Management   May 2021 - August 2021
Software Intern
- Managed and developed the (greenhouse gas) Emissions Health Check web application with ReactJS for firms concerned with environmental, social, and governance (ESGs) goals
- Devised and implemented a weighted scoring algorithm with over 26 variables to help clients better understand their greenhouse gas emissions
- Setup and maintained Google Firebase hosting for the application including a real time customer database
- *Technologies Used: ReactJS, JavaScript, HTML, CSS, Firebase, Git*

Topl   April 2020 - August 2020
Engineering Intern
- Developed an API wrapper enabling Python developers to access Topl's core blockchain infrastructure
- Created an integrated cryptographic key manager for use by internal applications consolidating multiple manual key management processes
- Completed the full product development cycle from planning to publishing on PyPI
- *Technologies Used: Python, NodeJS, JavaScript, Git*

NOTEWORTHY ACADEMIC PROJECTS

Remember Me   2022
- Created an electroencephalogram (EEG) based mobile application that extracts brainwave data from Alzheimer's patients and alerts them with necessary resources if stress levels rise.

Kumquat NFT Sandbox   2022
- Worked with a team to create a node wrapper module for testing NFT creation and distribution with the Hedera testnet.

EXTRACURRICULARS

U of A Computer Engineering Club   September 2020 - Present
Co-Vice President Social
- Responsible for organizing events for computer engineers and the engineering community
- Spearheaded the creation and organization of a new peer mentorship program for over 100 second year students to guide them at the start of their computer engineering journey

Alberta Competitive Programming Club   February 2021 - Present
Member
- Actively engaged in weekly meetings and complete Kattis algorithm problems
- Participated in the Calgary Collegiate Programming Contest 2022