Arun **Cheriakara**

SEEKING FRESH GRADUATE POSITIONS IN SOFTWARE ENGINEERING

(+1) 647-632-0803 | aruncheriakara@gmail.com | ehrun32.github.io | ehrun32 | aruncheriakara

Skills

Programming	Python, C/C++, HTML5, CSS3, JavaScript, Typescript, GraphQl, Assembly, SQL
Technologies	React.js, Node.js, AWS, Firebase, Flask, Postman, Git, JIRA, Confluence, Jupyter Notebooks, TailwindCSS

Experience

Litespace
Mississauga, Ontario

FRONT END DEVELOPER — *Jan. 2023 - Present*

- Developed the entire front end of the platform's team, event page, and office settings pages using React, Typescript, GraphQL and Figma.
- Organized front-end React.js functional components for multiple pages on the platform.
- Analyzed UI/UX design for responsive layout for improved usability in Figma
- Contributed to weekly meetings with the engineering, operations, and product teams in order to discuss the startup's upcoming features, software architecture additions, and future growth and sales.

Innovation, Science and Economic Development Canada
Ottawa, Ontario

TELECOMMUNICATION SOFTWARE ENGINEER — *May. 2022 - Aug. 2022*

- Leveraged Python and MATLAB for data collection and scripting of solutions
- Determined Antenna gains and losses for multiple satellites and performed verifications using Python
- Conducted antenna matching, tuning, and measurements, as well as spectrum analysis
- Developed a comprehensive understanding of radio communication protocols and the operation of frequency bands in Canada.

Arkalumen
Ottawa, Ontario

HARDWARE PROGRAMMER — *Jan. 2021 - May. 2021*

- Possessed the ability to translate Assembly code to C programming and validate by uploading to hardware
- Acquired a strong foundation in embedded application development through Assembly language proficiency
- Assisted senior electrical engineers in PCB design and independently designed multiple PCBs

Projects

Noble Apparel Co | Link

REACT.JS · TYPESCRIPT · CSS · HTML · FIREBASE

- Designed and developed an e-commerce website featuring user-friendly navigation for browsing various item categories and shopping
- Implemented user-friendly features allowing users to easily add or remove items from their cart and proceed to checkout
- Integrated the Stripe API to ensure secure payment handling during checkout.
- Incorporated Firebase authentication to enable users to sign up using their email or sign in with Google, enhancing overall website security and usability.

RemoteMate | Link

C++ · PYTHON · REACT.JS · NODE.JS · CSS · HTML

- Built a robotic arm that is remotely controlled through a glove through C++
- Utilized web sockets and Node.js to establish a client/server connection for robotic arm control
- Developed automation scripts using Python programming language

Social Distance Guardian | Link

C++ · EMBEDDED C

- Created a hardware/software solution to measure the distance between two devices for social distancing using C++
- Executed commands using Embedded C programming for Bluetooth chip integration
- Developed and performed various automation tests, including smoke and robustness tests, to verify hardware compatibility

Education

University of Ottawa
Ottawa, Ontario

BASc IN ELECTRICAL ENGINEERING(CO-OP) — *Sept. 2018 - April. 2023*

- Dean's honor list with a GPA of **3.7/4.0**
- Undergraduate courses: Introduction to Data Communications and Networking, Wireless Communication, Data Structures & Algorithms