

ARUL ARORA

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SKILLS

- **Product Management:** Design and Strategic Thinking, Data Analysis, Management, Product and User Research
- **Development:** C/C++, SQL, JavaScript, HTML/CSS, Rust, QML, Excel VBA, Software/API Testing
- **Tools:** Jira, Confluence, Salesforce, ClickUp, Aha!, Git, Qt, Postman, Visual Studio, Figma, Autodesk, COMSOL

WORK EXPERIENCE

Product Integration Analyst, *Paramount Commerce and Mazooma* Toronto, ON. | Sep 2021 - Dec 2021

- Expedited the end-to-end integration of the API product onto merchant's native apps by introducing a mobile emulator tool used for functional testing and creating an API test guideline, **saving over 50 hours of work per week**
- Collaborated cross-functionally with product managers, developers, and the QA team to correct 15 issues within the API parameters, resulting in an improved product and corresponding documentation **used by over 200 merchants**
- Tested **REST API** calls in **Postman** and communicated technical issues across multiple teams during API integrations
- Generated product metric reports using **SQL** in DB2 and PostgreSQL relational databases

Project Engineer, *BWX Technologies* Cambridge, ON. | Jan 2021 - Apr 2021

- Accelerated a \$140 million nuclear maintenance project by collecting performance data which **reduced reactor down time by 25%**, resulting in cutting client's expenses by **\$2000 every minute**
- Spearheaded development of data collection software in **Excel VBA** that tracked, transferred, and computed data
 - Collaborated with software developers to perform test scenarios and ensure solutions met business requirements
 - Resolved 15 technical issues, enhanced user experience, and **doubled the process speed** of data computation
- Designed a detailed logbook used amongst co-workers and project managers for upcoming day/night shift rotations

RELEVANT EXPERIENCE

Software Developer, *Waterloop* Jan 2022 - Present

- Developing a communication network in **Rust** to share telemetry from 6 hyperloop subsystems with a remote controller
- Collaborating with designers to create mockups of the desktop controller's GUI in **Figma**
- Implementing the desktop's functionality in **Qt** and **C++** which allows manipulation of pod states in real time

Motor Researcher and Developer, *Waterloop* Jan 2021 - Jan 2022

- Researched methods of magnetic propulsion and levitation and presented findings to 100+ team members weekly
- Designed linear induction motors in **AutoCAD** and simulated their magnetic flux densities in **COMSOL Multiphysics**

PROJECTS

Product Analysis Blog, *arularora.com/blog* Jan 2022 - Present

- Creating original content that breaks down the success and growth behind various mainstream technologies
- Proposing tangible improvements to accelerate products' growth and increase user engagement
- Conduct 5 hours of extensive product testing and 5 hours of researching users' needs to form tailored solutions

EDUCATION

University of Waterloo, *Candidate for BAsC in Systems Design Engineering* Sep 2020 - Apr 2025

- **GPA:** 3.96/4.0 - Dean's Honours List
- **Relevant Courses:** Engineering Prototyping, Digital Systems, Human Factors in Design, Entrepreneurial Practices