

Aakash Durairaj

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**Engineering
Co-op Program**

ACADEMIC AND CO-OP STATUS

University of Alberta		Completed Academic Terms	5 of 8
Software Engineering Co-op, BSc	Class of 2026	Completed Co-op Work Terms	1 of 5
Cumulative Grade Point Average	3.9/4.0	Availability Starting January 2024	8 Months

TECHNICAL SKILLS

Programming: Python | C++ | Java | JavaScript | React | MATLAB | PHP | HTML | CSS | XML | SQL

Tools: [Git/GitHub](#) | Linux | Virtual Machines | UiPath | OpenGL | Postman | SoapUI | MS Office | AutoCAD

Skills: Data Structures | Algorithms | OOP | Graphics | Intro to Machine Learning

EXPERIENCE

Software Engineering Intern | Taifa Engineering | Edmonton, AB Sep 2023 – Present

- Developed and implemented Excel VBA code to automate pricing report generation, streamlining data analysis.
- Troubleshooted and resolved issues within existing scheduling applications, enhancing operational efficiency and minimizing disruptions.
- Actively contributing to the development of an equipment tracking application using Android Studio with Java.
- Collaborating with project team to implement real-time equipment monitoring and maintenance features, aiming to improve productivity and reduce downtime.

Software Intern | Trinamix Inc. | Calgary, AB May 2023 – Aug 2023

- Executed tasks in Oracle BI Publisher, achieving a proficiency level that allowed to create and fine-tune over 10 complex reports, significantly enhancing report quality and precision.
- Developed Oracle Integrations to create data flows between SFTP servers, Emails services and Oracle BI Publishers with REST/SOAP APIs.
- Leveraged cloud infrastructure and data storage effectively, resulting in reduced report generation time streamlining data retrieval and processing for advanced analytics.

Web Developer | ESS, University of Alberta | Edmonton, AB Sep 2022 – Present

- Proposed and developed user interfaces with modern JavaScript frameworks, HTML5, and CSS3, which increased audience engagement by 47%.
- Collaborated with the Vice President and the IT team to implement website update with seamless functionality.

PROJECTS

Portfolio Website | React, Vite, Python, JS, CSS, Django Jul 2023 – Aug 2023

- Developed a website utilizing React.js and Vite.js, demonstrating proficiency in front-end technologies and delivering a polished, user-friendly interface and ensuring optimal performance and functionality.
- Constructed a Django-based to-do application featuring a user login system and implemented an efficient database structure for organized data management.

ADDITIONAL INFORMATION

Certification: Canadian Citizen | Class 5 non-GDL, reliable vehicle | Willing to Relocate | Hardware Design

Awards: 1st Class Standings | UofA Undergraduate Scholarship | The Robert Stollery Engineering Scholarship | Jason Lang Scholarship

Clubs: IEEE Ualberta Student Branch | Engineering Student Society

Languages: English (Fluent) | French (Beginner) | Tamil (Fluent)