D A R A S I M I   A J A Y I
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EDUCATION

Dalhousie University   Halifax, NS
Bachelor of Computer Science   *January 2023 – September 2027 (expected)*

SKILLS

Languages: Java, Python, C++, C#, MySQL, JavaScript, HTML, CSS
Frameworks/Libraries: Spring, Tailwind, React, JUnit, Pandas, NumPy, Matplotlib.
Development Tools: Git, Intelli J, VS Code, Visual Studio, Rider,

PROJECTS

16 Bit CPU | *Circuitverse*, *Assembly*, *Notion*   December 2023 – January 2024
- Designed and built a CPU capable of executing 14 different instructions
- Built and tested 50+ circuits, forming the core components (ALU, Control Unit) of the CPU
- Utilized productivity tools like Notion to track project progress and manage development milestones.
- Learned how to debug code written in binary by tracing out program logic by hand.

Graph Visualizer | *Java, Git*   April 2024 – Present
- Created a program to visualize connections in directed and undirected graphs, making debugging and analyzing complex graph structures easier.
- Programmed a custom Java array class implementation achieving a 5-fold performance improvement over the standard Array List class.
- Developed the project using Java Swing, requiring learning the framework's functionalities along the way.
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WORK EXPERIENCE

Junior Developer Intern   September 2024 - Present

SimplyCast   Halifax, NS

- Collaborated with the bug-fixing team to identify, analyze, and resolve software issues reported by users on the SimplyCast platform.
- Utilized PHP, Vue.js, AngularJS, MySQL, Git, and browser network analysis tools (Chrome, Edge, Firefox) for debugging and development tasks.
- Assisted in improving platform functionality by troubleshooting and resolving front-end and back-end issues.
- Worked with a large codebase, contributing to the maintenance of a software system comprising over 2,000 files.

Store Worker   April 2023 - Present

Tim Hortons   Halifax, NS

- Worked and communicated with other team members regularly to deliver high and consistent customer service.
- Processed customer orders with an average wait time of less than 1 minute to receive orders.
- Awarded "Employee of the Year" for exceptional customer service and punctuality.

OTHER EXPERIENCE

Private Tutor
- Provided peer tutoring and academic support to classmates in various computer science courses, including web development, data structures and algorithms, database systems, and computer programming.
- Assisted in explaining complex concepts, debugging code, and preparing for exams, helping peers improve their understanding and performance.
- Demonstrated strong communication skills and the ability to explain technical concepts in an accessible way.