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647-335-1452
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Canadian Security Intelligence Service Recruitment Team
Reference Number: 27-968-STUIT-02

Re: Application for Student IT and Engineering Position Stream 6 Software Development

Dear Hiring Manager,

Name of Student: Allen Reinoso
Graduation Date: April 2028
Program of Study: Bachelor of Science Honours Computer Science Co-op
Post Secondary School: Toronto Metropolitan University
Location of Interest: Toronto Ontario primary, Ottawa Ontario secondary
Enrollment Status: Not currently at a placement
Availability: Available for 8, 12, or 16 weeks
Current Year of Study: Third Year
Expected Graduation Date: April 2028

I am applying for the Student IT and Engineering position for Summer 2026. I want to contribute to CSIS while gaining experience in a secure, mission-focused technical environment. I meet the education requirement as a full-time undergraduate student in a relevant program. I am currently enrolled in the Bachelor of Science Honours Computer Science Co-op program at Toronto Metropolitan University. I maintain a cumulative GPA of 3.81 out of 4.33, and my program includes coursework related to the functions of this position. In Data Structures and Algorithms, I implemented linked lists, trees, graphs, and hash tables using Java and C. I also analyzed algorithm complexity and optimized solutions. I took a Software Development course, where I worked in teams using Git and GitHub. I followed Agile practices and completed projects covering the entire software development life cycle from requirements to testing and deployment. In Database Systems, I designed schemas and wrote SQL queries, gaining practical experience in database design and optimization. Through my study of Computer Security, I learned security best practices, encryption concepts, and basics of network security. Last semester, I also gained experience with Artificial Intelligence by implementing machine learning models using Python and working with data preprocessing and evaluation techniques. These experiences show I have education directly relevant to software development and related technical fields. I meet the experience requirements of this position through leadership experience, personal projects, coursework, and professional employment. I gained professional software development experience as the Web Development Lead for Toronto MetRobotics at Toronto Metropolitan University in Toronto, Ontario from September 2024 to present. I led the development of a web-based dashboard that supported robotics operations during competitions. I used JavaScript and React to build frontend components and integrated live telemetry data

transmitted via ROS2. I designed the application architecture, implemented interface features, tested functionality, documented code, and optimized performance. I worked closely with hardware and software teams to gather requirements and ensure compatibility. I also participated in code reviews and mentored junior developers. This experience illustrates programming, integration, testing, documentation, and optimization activities directly related to Stream 6 functions. I gained additional experience through personal technical projects I completed remotely. I designed and built AlgoBuddy, an algorithm visualization web application using React, JavaScript, Tailwind CSS, and D3.js. I implemented multiple algorithms and created animated visualizations, which required algorithm design, programming, testing, deployment, and maintenance. This project shows my experience with frontend development and implementing the full software lifecycle. I built a Budget Expense Tracker using Python, Flask, SQLite, HTML, CSS, and JavaScript. I designed the database schema, implemented backend services and REST APIs, and developed frontend functionality to allow for tracking income and expenses. This project provided experience in backend development, database design, and application deployment, relevant to web application development in Stream 6. I also gained experience through academic coursework from September 2023 to present at Toronto Metropolitan University. Assignments and labs required me to implement algorithms, collaborate on software development, use version control, design databases, and test solutions. I obtained relevant experience through my job at McDonald's in Scarborough, Ontario from September 2020 to present. I currently serve as Team Lead and Crew Trainer. In this role, I train employees, coordinate team tasks, resolve operational issues, and ensure procedures are followed in a fast-paced environment. This position strengthened my communication, teamwork, problem-solving, and initiative skills, which support effective performance in technical team environments. Qualifying skills relevant to Stream 6 include programming in Python, Java, JavaScript, C, and C++. I have experience developing web application components, including both frontend and backend systems, through robotics and personal projects. I frequently use Linux environments during development, and I regularly utilize Git and GitHub for collaborative development and version control. I demonstrated problem-solving skills by optimizing performance issues in the robotics dashboard. I reduced unnecessary re-rendering and improved state management, which led to smoother operation under high data update rates. I showed analytical skills when I designed architecture for algorithm visualizations that separated execution logic from rendering, improving modularity and maintainability. Teamwork skills were evident as I collaborated with multidisciplinary robotics team members and mentored junior developers. I demonstrated client service skills by working with team leadership to gather requirements, deliver features, and incorporate feedback. I showed initiative by independently creating learning tools and suggesting improvements in team projects. I am eager to apply my technical skills to protect Canadians while gaining experience developing software in secure environments. The chance to work on impactful systems while learning from experienced professionals fits perfectly with my professional goals. My goal during this placement is to gain real-world experience contributing to secure software development projects, strengthen my technical abilities, enhance collaboration in professional teams, and learn best practices used in government technical settings. I also aim to show reliability and contribute positively to project outcomes. I am a Canadian citizen and understand that I need to meet the requirements for Enhanced Top Secret security clearance. I am ready to fully engage in the clearance process. I

am available for the full May to August 2027 term and am willing to work on-site in Toronto or relocate to Ottawa if required. I am fluent in English and am prepared to improve my French language skills. I meet the education requirement as a third-year full-time Computer Science student in a relevant field. I also meet experience criteria through leadership roles, technical projects, coursework, and professional employment. I believe my technical abilities, teamwork skills, and initiative make me a strong candidate for Stream 6 Software Development. I look forward to the chance to discuss my qualifications further.

Sincerely, Allen Reinoso
Third-Year Computer Science Co-op Student
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ALLEN REINOSO

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EDUCATION

Toronto Metropolitan University

Bachelor of Science (Honours), Computer Science Co-op

September 2023 – Expected April 2028

Cumulative GPA: 3.81/4.33 (Dean's List equivalent). Relevant coursework includes Data Structures and Algorithms, Software Development, Database Systems, Artificial Intelligence, Computer Security, Object-Oriented Programming, and Discrete Mathematics. Currently in third year and maintaining full-time student status within the co-op stream, integrating academic study with work terms.

TECHNICAL SKILLS

Programming languages include Python, JavaScript, Java, SQL, C, and C++, developed through coursework and personal projects. Framework and library experience includes React, Next.js, Node.js, Flask, and D3.js for building full-stack web applications and data visualizations. Tools and technologies include Docker, Git, GitHub, MongoDB, SQLite, Tailwind CSS, and Auth0 for authentication and deployment.

Core competencies include data structures and algorithms, REST API development, Agile practices, full-stack development, object-oriented programming, SDLC processes, database design, debugging, performance optimization, responsive design, technical documentation, and Linux command-line usage.

PROFESSIONAL EXPERIENCE

Web Development Lead, Toronto MetRobotics

Toronto, ON | September 2024 – Present

Lead frontend development for a real-time rover operations dashboard used in international robotics competitions. Built and maintain a React-based interface that displays live telemetry, rover status, and sensor data via ROS2 and WebSocket communication.

Collaborate with electrical, mechanical, and software teams to define requirements and ensure software integrates reliably with hardware systems. Designed modular UI components enabling rapid feature additions and improved usability.

Took ownership of features from planning through deployment, ensuring performance, reliability, and usability under competition conditions. Improved dashboard responsiveness by roughly 60 percent through performance optimizations.

Mentor junior developers through code reviews and documentation while maintaining development standards and supporting knowledge transfer within the team.

Team Lead and Crew Trainer, McDonald's
Scarborough, ON | September 2020 – Present

Promoted to leadership role responsible for training employees, maintaining operational standards, and supporting daily operations in a fast-paced environment.

Trained over 15 staff members in procedures, food safety, and customer service while monitoring performance and providing feedback. Coordinated communication between crew and management, resolved conflicts, and handled operational challenges during peak hours.

Demonstrated strong problem-solving skills while maintaining service quality and contributed improvements to training and workflow processes.

TECHNICAL PROJECTS

Algorithm Visualizer Web Application (AlgoBuddy)
April 2025

Built an interactive web platform visualizing sorting, searching, and graph algorithms using React and D3.js. Implemented eight algorithms with step-by-step execution controls and animations to support learning. Designed modular architecture allowing easy extension and deployed publicly for student use.

Budget Expense Tracker Web Application
August 2024

Developed a full-stack application using Python, Flask, and SQLite to track financial transactions with persistent storage and data visualization. Implemented RESTful APIs, database schema, responsive frontend, and performance optimizations achieving Lighthouse scores above 90. Demonstrates complete lifecycle development from backend design to deployment.

LeetCode Study Platform (In Development)
October 2025 – Present

Developing a full-stack social platform using Next.js, TypeScript, MongoDB, Auth0, and Docker to connect coding practice users through profiles and discussion tools. Authentication and database infrastructure are complete, with frontend and social features under development.

ACADEMIC ACHIEVEMENTS AND ACTIVITIES

Maintained strong academic standing while completing rigorous coursework involving algorithm design, database systems, collaborative software development, AI foundations, and computer security.

Active member of Toronto MetRobotics, contributing software development expertise to a multidisciplinary rover competition team.

ADDITIONAL INFORMATION

Canadian citizen eligible for enhanced security clearance. Available for full-time work terms and willing to relocate if required. Comfortable working in office environments and undergoing security clearance processes.

Strong English communication skills and proficient with Microsoft Office, Google Workspace, and remote collaboration tools. Valid G2 driver's license. References available upon request.