Liam Kelly LinkedIn: linkedin.com/in/liamakelly GitHub: github.com/kliam11	
CLEARANCE	Top Secret (Level III)
TECHNICAL SKILLS	 Programming: C, C++, Java, Spring, JUnit, Node.js, SQL, React, Bash, Python CI/CD & Tools: Git, Maven, Artifactory, Postman, Jira, Docker AI/ML: PyTorch, NumPy, Pandas OS: REHL, Windows Analysis: WireShark
EXPERIENCE	 Royal Canadian Mounted Police (Ottawa, ON) Systems Engineering Intern Researched and developed protocols, algorithms and API routes for client-server applications using Linux, Python and Mongoose Embedded Web Server Enhanced web application security by developing hash-based message authentication codes for
	 files and resources for quick modification during prospective client demos Tested server functionality using SOAPUI by analysing HTTP responses for data conformity and serialization Developed a SOAP-based middle tier with Jakarta to abstract communication with a processing server Wrote unit tests using JUnit and Mockito to address gaps in test coverage of server endpoints like invalid query parameters and corrupted image files Used Artifactory to update JAR and WAR packages for use by other developers within the company
	 Carleton University (Ottawa, ON) Jan 2023 - Dec 2023 <i>Teaching Assistant</i> Assisted in teaching undergraduate coursework on C programming by providing support to students to reinforce concepts such as pointers, memory management, and data structures

May 2025

 PROJECTS
 Election Trend Analysis

 Built a pipeline using BERT and BERTopic to analyze over 480,000 Reddit comments, tracking sentiment and topic trends for federal party leaders from March 2024 to Feb 2025. Visualized shifts in public opinion and issue salience across politically active subreddits

 Link: github.com/kliam11/cdn2025_polisent_analy

 ACTIVITIES
 Acacia Fraternity
 Sep 2023 - May 2025

 Philanthropy Coordinator
 Organized and led fundraising initiatives, raising over \$10,000 in support of Movember, Relay for Life, and Epilepsy Canada. Coordinated events, motivated members, and built partnerships to maximize impact for charitable causes

 REFERENCES
 Available upon request