Sam Lee

Toronto, ON

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Skills

Python, Java, JavaScript, C, SQL, React, Angular, Spring Boot, HTML/CSS, TypeScript, R, VS Code, Eclipse, Postman, JIRA, Confluence, TestRail, Node.js, MongoDB, Azure CI/CD, Azure Cloud, REST APIs, Linux, GitHub, JUnit

Education

York University   **Toronto, ON**
Honours Bachelor of Scince in Computer Science   *Sept. 2022 – Dec 2026*
Relevant Coursework: Introduction to Database Systems, Design and Analysis of Algorithms, Software Design, Software Tools, Advanced Object Oriented Programming

Experience

MPBSDP (previously known as Ministry of Transportation)   **Jan 2025 – August 2025**
Junior Technical Intern   *Toronto, ON*
- Towing and Storage Safety and Enforcement Act Application: Contributed to full stack development of 3 web applications (2 public-facing, 1 internal) using **Angular, Spring Boot, Azure DevOps, CI/CD, Azure Cloud, and REST APIs** successfully deployed 15 feature tickets that enhanced user experience for Ontario tow operators and streamlined complaint submission processes
- Cyber Security Automation Project: Proactively scanned cloud applications to detect known CVEs and security vulnerabilities by developing automated security scanning scripts using **Python (Playwright) and OWASP ZAP, integrated into Azure CI/CD pipelines**
- Designed and executed comprehensive **REST API** test using **Swagger**Swagger and **Postman**

Penn Entertainment (previously known as theScore)   **Jan 2024 – August 2024**
QA Analyst   *Toronto, ON*
- Worked on 17 releases for the wagering team, performing comprehensive **regression, backward compatibility, migration, and production smoke testing** across multiple environments (UAT, Demo, Staging) and platforms (Android, iOS, web) for theScore Bet and ESPN, covering approximately 3,000 test cases
- Identified production bugs, creating 5 new functional tickets on **JIRA** and **Confluence**, and signed off on approximately 140 functional tickets, including 2 feature enhancements related to market logo rebranding and home page market recommendations. Developed new test cases in **TestRail** and delivered detailed reports
- Participated in weekly stand ups, occasionally leading sessions, and provided support across multiple departments by offering clarification on wagering related issues

Hackathon

CSHub Local Hackday | *Python, Pandas PySimpleGUI, Tabulate*   **November 2024**
- Analyzed needs for the York students and developed a search engine that enabled students to quickly retrieve contact information for university services and departments based on partial inputs such as name, phone number, or email address
- Presented the solution to three judging panels and an audience of approximately 100 participants, demonstrating strong communication, teamwork, and presentation skills
- Utilized Python and integrated PySimpleGUI, pandas, and tabulate to create a user-friendly and efficient application

Projects

Discord Bot | *Python, Poke-API, Discord Bot API*   **March 2023**
- Analyzed high Pokémon Go user engagement following widespread 2022 media coverage of distracted driving incidents, identifying market opportunity to create more efficient information retrieval system that allows users to quickly access detailed Pokémon data without in game navigation risks
- Developed using Python, Discord Bot API, and Poke-API to build and integrate functionality

Research Paper @University of Toronto | *R*   **January 2020**
- Conducted comparative assessment of urban forestry health condition titled *A comparative assessment of the health condition recently planted native and non-native soft fruit-bearing and non-soft fruit-bearing tree species in Brampton, Ontario*, presenting analytical findings and strategic recommendations to academic stakeholder panel with research findings utilized by City of Brampton forestry management team
- Collected and analyzed raw municipal data using R during City of Brampton summer internship, demonstrating ability to translate data into actionable business insights for municipal decision making, including strategic resource allocation for summer water management