Sam Lee

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Skills

Python, Java, C, HTML, CSS, Linux, JavaScript, SQL, and R

Relevant Work Experience

QA Analyst @ theScore   Jan 2024 – Aug 2024
- 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 cross-departmental support by offering clarification on wagering-related issues.

Software Developer @ Venture Canada   May 2023 – Jun 2023
- Developed an interactive, web-based platform using **PHP** to deliver math practice problems to students, enhancing engagement and accessibility.
- Designed and implemented a comprehensive set of 100 math practice problems for 200 Grades 11 and 12 students, aligned with the Toronto District School Board curriculum.

Software Developer @ Ruii   Mar 2023 – Apr 2023
- Developed and integrated web plug-ins using **HTML** and **CSS** to enhance customer engagement and satisfaction.
- Optimized website performance by applying **UI/UX** best practices, ensuring cross-browser compatibility, and adhering to web standards and functionality requirements.
- Collaborated with cross-functional teams, promoting effective communication and teamwork, while consistently delivering projects on time.

Hackathon

Roborama
- Engineered and programmed a Line Bot using **Arduino**, incorporating chassis design, electronics assembly, and software development
- Presented the final product to a panel of judges and an audience of approximately 80 participants

CSHub Local Hackday
- 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
- Utilized **Python** and integrated PySimpleGUI, pandas, and tabulate to create a user-friendly and efficient application
- Presented the solution to three judging panels and an audience of approximately 100 participants, highlighting strong communication, teamwork, and presentation skills

Projects

Weather Mobile App
- Designed and developed a weather app that displays minimum, maximum, and current temperatures, along with the date and time for a user-specified location
- Leveraged React Native, React, Node.js, and Express to build a dynamic and responsive app

Discord Bot
- Designed and developed a Discord bot with a semi-functional Pokédex, allowing users to retrieve detailed information on any Pokémon
- Utilized **Python**, Discord Bot API, and **Poke-API** to build and integrate functionality

Research Paper @University of Toronto
- Drafted and presented a research paper called *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* and successfully defended my thesis to the panel of professors
- Collected and analyzed raw data using **R** during a summer internship with the City of Brampton

Education

York University
Honours Bachelor of Science in Computer Science (3rd year)   Sept 2022 – Apr 2026
Courses: Introduction to Database System (**SQL**), Design and Analysis of Algorithm, and Software Design

University of Toronto
Master of Forest Conservation   Sept 2018 – Apr 2020
Honours Bachelor of Science in Human Biology, Biology, and Animal Physiology   Sept 2014 – Apr 2018