

Cameron O'Leary

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EDUCATION

Carleton University

Bachelor of Computer Science Honours, CGPA 10.7/12

Ottawa, Ontario, Canada

Jun 2022

- High Distinction
- Minor in Mathematics

WORK EXPERIENCE

Konnexis Inc., a STERIS company

Application Developer

Ottawa, Ontario, Canada

Jul 2022 - Jun 2023

- Contributed to the development of a full-stack application (C#, Entity Framework Core, Angular) used for process control and inventory tracking for a variety of irradiation sterilization systems called KonnTRACK.
- Developed a message queue interface for Konnexus's KonnTRACK and STERIS's Operations Data Management System to handle user and system-level events for gamma irradiation sterilization systems.
- Collaborated with the quality assurance team to identify, log, resolve, and test high-priority features and bug fixes.
- Wrote comprehensive unit tests using xUnit.net to prevent regressions.
- Pushed for and adopted better use of agile methodologies including story points and retrospectives.

The Rounds

Software Developer Co-op

Halifax, Nova Scotia, Canada

Jan 2021 - Aug 2021

- Owned development of the external redesign of association partners and platform events pages.
- Reduced page load times by developing backend functionality in Go to convert and serve images as WebP which decreased image file sizes by approximately 70% with near-lossless compression.
- Developed frontend real-time attempt tracking and scoring logic using React and Recoil.js for quiz modules in a newly launched learning management system.
- Averaged 81 GitHub contributions per month to the initial release of the learning management system and internal and external services offered by both therounds.com and QID.io.
- Actively participated in bi-weekly sprints, daily stand-ups, code reviews, and feature demos.

Mevex Corp., a STERIS company

Software Developer Co-op

Ottawa, Ontario, Canada

May 2019 - Dec 2019 / May 2020 - Aug 2020

- Contributed to the development of human-machine interface applications using C# (.NET Framework) for linear particle accelerators.
- Solely responsible for the development of an internal application upgrade using Java (Swing and AWT) that allows service engineers to search and visualize part inventory listings.
- Developed a Python script to collect energy output data of linear particle accelerators, organized into a spreadsheet using openpyxl, to present to the Canadian Nuclear Safety Commission.
- Designed test specifications and procedures in Polarion and consistently contributed to software documentation.

PROJECTS

phishEd — Independent — HTML, CSS, JavaScript (React)

An open-source online platform aimed to help educate people about phishing attacks.

- Designed low-fidelity prototypes using Figma for the initial design of the website.
- Emphasized user experience by carefully developing user-friendly layouts and interactive components.
- Wrote unit tests for all React components using the React Testing Library.

Measuring RTOS Performance — Collaborative — C

A selection of rigorous tests evaluating the performance of a real-time operating system (QNX Neutrino).

- Developed tests to measure the duration of switching between two processes and from a process to a handler using POSIX signals and built-in functions.
- Helped develop tests to measure the duration of message passing using pipes and built-in functions.

TECHNICAL SKILLS

- Programming: C#, SQL, JavaScript, TypeScript, Java, Python, Go, GraphQL
- Cloud: Microsoft Azure
- Technologies: Entity Framework Core, Angular, React, Recoil.js, Node.js, xUnit.net, React Testing Library
- Tools: Microsoft SQL Server, PostgreSQL, Git/GitHub, Jira, Bitbucket, Jama, Polarion, Figma