CLAIRE DIMITRIUC

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EDUCATION

University of Toronto   Sept 2021 – Apr 2026

Bachelor of Applied Science (B.A.Sc) in Computer Engineering + PEY Co-op
Intended minors in Artificial Intelligence and Robotics

SKILLS

Programming/Software: Python, C, C++, System Verilog, ARM-A9 Assembly, Quartus/ModelSim, MATLAB
Web Development: JavaScript, CSS, HTML5, Express, React, PHP, Webpack, NodeJS
Databases: Microsoft Access, SQL, MongoDB
Task Automation: BASH/PowerShell scripting

PROFESSIONAL EXPERIENCE

Engineering Summer Student   May 2023 – Aug 2023

CANDU Energy-Member of the SNC Lavalin Group, Mississauga, ON

- Collaborated with 6 admins to architect a tooling database, projected to support major domestic and international projects in retubing nuclear reactors
- Automated Excel report generation with Python, Pandas, and OS, boosting productivity
- Innovatively designed PowerShell-driven EXE launchers, enhancing database startup speeds by 50%
- Optimized database SQL queries and code structure, resulting in 70% decrease in processing time
- Developed a dynamic item-transfer feature by leveraging SQL's update, delete, and append capabilities
- Initiated and developed a PowerShell-based software to perform daily automatic backups after identifying a crucial need
- Presented solutions to database admins and constructed a comprehensive manual for seamless knowledge transfer
- Liaised with 40 employees, guiding them on efficient and thorough entry into the qualification database, ensuring tasks were completed in a timely fashion
- Facilitated and led training for 10 technicians on using automated cable testing for company-specific connectors

PERSONAL PROJECTS

CV-Maker: An interactive CV-Maker built using React and Vite that allows users to create a resume based on information they enter, as well as save and delete entries as required: [CV Maker](#)

Intramural Manager: A CRUD application created using Express and MongoDB that allows a user to create, delete, and update sports/coach/players/team data base objects, as well as upload images: [Intramural Manager](#)

Weather Watcher: A website built with vanilla JavaScript, HTML, CSS, and Webpack that allows a user to search for a country or city, then be returned the daily and hourly forecast for that location: [Weather Watcher](#)

ADDITIONAL EXPERIENCE

Specialty STEM Camp Leader   May 2022 – Dec 2022
City of Toronto, Toronto, ON

- Designed and followed detailed program plans to lead and supervise children through STEM-themed activities.
- Thoroughly documented incidents and communicated respectfully and professionally with parents, coworkers, and senior staff to prevent and resolve conflicts.