

MARCELO PONCE

Toronto, ON

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EDUCATION

University of Toronto

Honours Bachelor of Science (HBSec) in Computer Science, Minor in Mathematics

Mississauga, ON

September 2019 – June 2025

Relevant Coursework:

- CSC427: Computer Security
- CSC347: Introduction to Information Security
- CSC309: Programming on the Web
- CSC301: Introduction to Software Engineering
- MAT302: Introduction to Algebraic Cryptography

PROJECTS

CTF427 ◇ *VirtualBox, PostgreSQL, Docker, CTFd, Express, Kali Linux*

Jan. 2025 – March 2025

- Designed a competitive Capture the Flag (CTF) event designed to teach students about common security vulnerabilities, exploit techniques and challenges (SQLi, Cryptography, Vulnerable Executables, Forensics)
- Developed Challenges using various programming languages and tools.
- Created a web-based platform using CTFd to host the event.
- Taught students how to use Kali Linux as well as standard Linux tools for relevant challenges.

jules-ferguson.com ◇ *Node.js, Express, HTML/CSS, Vercel, Render, GitHub Actions*

June 2024 – Ongoing

- Built a personal website for Jules Ferguson, a Toronto-based photographer and sexual health educator.
- Coordinated alongside client for site design and functionality.
- Developed a RESTful API using Node.js and Express.
- Integrated GitHub Actions for CI/CD.
- Hosted on Vercel and Render.

Opalescence ◇ *Go, PostgreSQL, Redis, Docker, GitHub Actions, Google OAuth2.0.*

Jan. 2024 – April 2024

- Worked in a team of 7 to design and build a web-based sharable note-taking application.
- Implemented a RESTful API using GoLang (GinGonic) and PostgreSQL (GORM), with hosted Redis for caching.
- Integrated GitHub Actions for CI/CD.
- Google OAuth2.0 for user authentication.
- Hosted on Vercel, Render, and ElephantSQL.

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java, Go, SQL, HTML/CSS, JavaScript

Tools & Technologies: Docker, RESTful APIs, LaTeX, React, Node.js, Redis

IDEs & Editors: Vim, Visual Studio Code, Eclipse

Version Control: Git, GitHub

Databases: PostgreSQL, MySQL, SQLite, Cassandra

CI/CD: Github Actions

Other Skills & Tools: Linux, Data Modeling, Automated Testing, Amazon Web Services (AWS) Agile Development, Scrum

WORK EXPERIENCE

Barista

March 2023 – Present

Claudia's Coffee

Toronto, ON

- Prepared custom espresso drinks and specialty seasonal beverages in a fast paced environment, making up to 45 drinks per hour.
- Maintained and cleaned equipment daily, ensuring machine longevity and beverage quality.
- Adjusted espresso grind at various times throughout the day to maintain consistent shot quality.
- Opening and closing independently of supervision, cash handling, ordering inventory, arming alarms.
- Developed relationships with customers, connecting management with local businesses.