

MARCELO PONCE

Toronto, ON

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EDUCATION

University of Toronto, Mississauga (UTM)
Honours Bachelor of Science (HBSc)
Computer Science Specialist, Minor in Mathematics
Relevant Coursework

September 2019 - June 2025

- CSC427: Computer Security
- CSC413: Neural Networks & Deep Learning
- CSC409: Scalable Computing
- CSC373: Algorithm Design, Analysis & Complexity
- CSC367: Parallel Programming
- CSC343: Introduction to Databases
- CSC309: Programming on the Web
- CSC301: Introduction to Software Engineering

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

PROJECTS

CTF427

CSC427 - github.com/marceloponceardon/CTF427

University of Toronto

January 2025 - March 2025

- **Description:** A competitive Capture the Flag (CTF) event designed to teach students about common security vulnerabilities and exploit techniques.
- **Technologies:** VirtualBox, PostgreSQL, Docker, CTFd, EJS, JavaScript, HTML/CSS, C, Python, Kali Linux.
- **Responsibilities:** Designed and implemented a CTF event for the course. Developed challenges using various programming languages and tools. Created a web-based platform using CTFd to host the event. Integrated PostgreSQL for data storage and Docker for containerization. Hosted the event on VirtualBox and taught students how to use Kali Linux for relevant challenges.

jules-ferguson.com

Personal - github.com/marceloponceardon/jules-ferguson.com

Jules Ferguson

June 2024 - On Going

- **Description:** Personal website for Jules Ferguson, a Toronto-based photographer and sexual health educator.
- **Technologies:** Node.js, Express, HTML/CSS, JavaScript, Vercel, Render, GitHub Actions.

- **Responsibilities:** Developed a RESTful API using Node.js and Express. Integrated GitHub Actions for CI/CD. Hosted on Vercel and Render. Integrate google photos and google drive API for image and video storage easily accessible for the client.

Opalescence

CSC301 - github.com/opalescencelabs

University of Toronto

January 2024 - April 2024

- **Description:** Web-based sharable note-taking application.
- **Technologies:** GoLang, PostgreSQL, Redis, TypeScript, React, Docker, GitHub Actions, Google OAuth2.0.
- **Responsibilities:** Implemented a RESTful API using GoLang (GinGonic) and PostgreSQL (GORM) Integrated hosted Redis for caching responses. Integrated GitHub Actions for CI/CD. Google OAuth2.0 for user authentication. Hosted on Vercel, OnRender, and ElephantSQL.

WORK EXPERIENCE

Barista

Claudia's Coffee

March 2023 - Present

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.

Barista

Touti Gelati

January 2022 - March 2023

Toronto, ON

- Prepared over 30 beverages and desserts daily, maintaining high quality and presentation standards.
- Enhanced customer experience by providing tailored recommendations for gelato and specialty drinks.
- Managed inventory for daily operations, ensuring availability of ingredients during peak hours.

LANGUAGES

- **English** — Advanced
- **Spanish** — Native