MARCELO PONCE

Toronto, ON

(587) · 718 · 6272 ◇ marcelo.ponce.ardon@gmail.com ◇ github.com/marceloponceardon

EDUCATION

University of Toronto — Mississauga, ON

Honours Bachelor of Science (HBSc) in Computer Science, Minor in Mathematics — *June 2025*

Relevant Coursework:

Computer Security, Neural Networks & Deep Learning, Scalable Computing, Algorithm Design, Analysis & Complexity, Parallel Programming, Introduction to Information Security, Introduction to Databases, Programming on the Web, Introduction to Software Engineering, Introduction to Algebraic Cryptography

PROJECTS

CTF427 ◇ *github.com/marceloponceardon/CTF427* ◇ VirtualBox, Docker, CTFd, Kali Linux — *Jan. 2025 – March 2025*
- Designed a competitive Capture the Flag (CTF) event designed to teach students about 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 tools (sqlmap, steghide, ghidra), and standard Linux tools for challenges.

jiu-jitsu-autoscoring ◇ *github.com/jiu-jitsu-autoscoring* ◇ Jupyter, PyTorch, Transformers — *Jan. 2025 – Present*
- Developing a 5-step pipeline of machine learning models to automatically score Brazilian Jiu-Jitsu matches using video footage.
- Utilizing PyTorch and HuggingFace Transformers to train models that can recognize and score techniques in real-time.
- Training the model on a dataset of annotated BJJ matches, focusing on key techniques and scoring criteria.

jules-ferguson.com ◇ *github.com/marceloponceardon/jules-ferguson.com* ◇ React, Express — *June 2024 – Present*
- Built a personal website for Jules Ferguson, a Toronto-based photographer and sexual health educator.
- Coordinated with client to design and implement a custom React-based website, integrating downloadable CV, portfolio, and contact form.
- Hosted on Vercel and Render.

Opalescence ◇ *github.com/opalescencelabs* ◇ GoLang, PostgresSQL, Redis, Google OAuth2.0. — *Jan. 2024 – April 2024*
- Co–led a team of 7 to design and build a web-based sharable note-taking application, overseeing backend development.
- 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.

TECHNICAL SKILLS

Programming Languages: C/C++, Bash/Shell, Python, JavaScript, Java, GoLang, C#, SQL, HTML/CSS
Tools & Technologies: Whireshark, sqlmap, Ghidra, john the ripper, gdb, scikit-learn, Pandas, NumPy, Docker, LaTeX, React, Node.js, Redis
IDEs & Editors: Vim, Visual Studio Code, Eclipse
Version Control: Git, GitHub
Databases: PostgreSQL, MySQL, SQLite, Cassandra, Redis
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.
- Opening and closing independently of supervision, cash handling, ordering inventory, arming alarms.
- Developed relationships with customers, connecting management with local businesses.