

Coleton Boutilier

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WEBSITES, PORTFOLIOS, PROFILES

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- <https://coletonboutilier.netlify.app/>

SUMMARY

Cyber Security graduate (NSCC, 2025) and CompTIA Network+ certified, with hands-on training in Windows 10/11, Active Directory, Group Policy, DHCP, and network troubleshooting. Independent iOS developer who built DevDuel, a multiplayer coding game in Swift and SwiftUI, and took it from first prototype to external beta on TestFlight. Brings nearly three years of customer-facing experience, so staying patient and clear with frustrated users comes naturally. Currently working toward CompTIA Security+ and looking for an entry-level IT support or junior developer role.

SKILLS

- Programming & Development: Python, Swift, ReactJS, MySQL, Firestore/Firebase
- Operating Systems: Linux, Windows 10/11
- Windows Server Administration: Active Directory, Group Policy, DHCP
- Networking & Security: Networking Fundamentals, firewalls, intrusion detection, encryption, CompTIA Network+ (certified), Security+ (in progress)
- Soft Skills: Problem-solving, time management, collaboration
- iOS Development: Swift, SwiftUI, Xcode, TestFlight, App Store Connect
- Cloud & Deployment: Heroku, Docker
- Scripting & Automation: Bash, PowerShell
- Tools & Platforms: Git/GitHub, REST APIs, VirtualBox/VMware

PROJECTS

DevDuel

Personal Project | Swift, SwiftUI, Xcode, Firebase, TestFlight | In beta testing

- Designed and built a competitive iOS coding game where two players race to solve the same Python problem in real time.
- Built ranked matchmaking, an ELO-based rating and levelling system, and a single-player campaign mode.
- Used Firebase for user authentication and backend data storage.
- Integrated sandboxed server-side code execution to safely run and grade player-submitted Python.
- Took the app from prototype to external beta through TestFlight and App Store Connect, managing the full release process as a solo developer.

CyberVault

Personal Project | ReactJS frontend, Python Flask API backend, PostgreSQL database

- Developed a secure password manager web app leveraging ReactJS for a responsive UI and Python Flask for backend API services.
- Implemented PostgreSQL to efficiently store user data with relational integrity.
- Integrated Amazon AWS services for hosting, storage, and secure multi-factor authentication (MFA) via phone.
- Designed and applied a zero-knowledge encryption protocol using AES-256 encryption and cryptographic hashing to ensure data confidentiality and integrity.
- Focused on robust security features to protect user credentials and sensitive information.
- Gained practical experience in full-stack development, cloud deployment, cryptography, and security best practices.

PokePlayer Automation Bot

Personal Project | Python, OpenCV, PyAutoGUI, Tesseract OCR, CustomTkinter

- Built a desktop automation tool for Pokémon in Python that uses OpenCV template matching and screen capture to recognize game states in real time and trigger the right actions.
- Integrated Tesseract OCR to read on-screen text and feed it into the tool's decision logic.
- Used multithreading to run detection and input tasks at the same time, and added automatic screen resolution detection so it works on different displays.
- Designed a modular codebase and a CustomTkinter control panel so new features and game versions are easy to add.

EXPERIENCE

IRONWORKER APPRENTICE | 08/2022 to 03/2023

Union Local 752 - Glace Bay, NS

- Worked as part of a crew erecting steel structures, following strict safety protocols on active job sites.
- Read and interpreted technical blueprints to solve problems on site and keep work accurate.
- Operated welding and fabrication tools with precision, ensuring quality and structural integrity.

CASHIER | 09/2019 to 07/2022

McDonalds - Glace Bay, NS

- Provided friendly, patient customer service in a high-volume environment for nearly three years, handling customer questions and concerns quickly and calmly.
- Worked closely with a team during busy shifts, building strong communication and multitasking skills.
- Handled cash transactions accurately and followed strict health and safety standards.

METAL FABRICATOR | 04/2022 to 05/2022

East Coast Metal Fabrication - Glace Bay, NS

- Completed a college work term reading technical drawings and setting up and operating fabrication machines.
- Used precision measuring tools (calipers, micrometers) to check work against specifications and maintain quality.

EDUCATION AND TRAINING

Glace Bay High School - Glace Bay, NS | High School Diploma

02 Program

Nova Scotia Community College - Sydney, NS | Diploma

Cyber Security, 05/2025

- Coursework in network security, programming, penetration testing, and system administration, including hands-on work with Windows Server, Active Directory, Group Policy, and DHCP.
- Hands-on projects involving Python automation, MySQL database management, and cloud deployment.
- Earned CompTIA Network+ certification; currently working towards CompTIA Security+.

Nova Scotia Community College - Sydney, NS | Diploma

Metal Fabrication, 06/2022

CERTIFICATIONS

CompTIA Network+ Certification

INTERESTS

- Snowboarding
- Collecting trading cards
- Building iOS apps in my spare time