Coleton Boutilier

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WEBSITES, PORTFOLIOS, PROFILES

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- https://coletonboutilier.netlify.app/

SUMMARY

Cyber Security graduate (2023–2025) with a strong foundation in IT, software development, and network security. Skilled in modern programming frameworks, cloud deployment, and system administration. Passionate about innovation and problem-solving, with hands-on experience across multiple platforms and technologies. Currently working towards CompTIA Network+ and Security+ certifications. Seeking an opportunity to contribute to a dynamic team and continue professional growth in the IT and software development field.

SKILLS

- Programming & Development: Python, SwiftUI, ReactJS, MySQL, Firestore/Firebase
- Operating Systems: Linux, Windows
- Networking & Security: Networking Fundamentals, firewalls, intrusion detection, encryption, Network+ (in progress), Security+ (in progress)
- Soft Skills: Problem-solving, time management, collaboration
- Cloud & Deployment: Heroku, Docker
- Scripting & Automation: Bash, PowerShell
- Tools & Platforms: Git/GitHub, REST APIs, VirtualBox/VMware

EXPERIENCE

IRONWORKER APPRENTICE | 08/2022 to 03/2023
Union Local 752 - Glace Bay, NS

- - Collaborated with team members to safely erect steel structures, demonstrating strong teamwork and adherence to safety protocols.
- - Applied problem-solving skills when interpreting blueprints and resolving construction challenges.
- - Operated welding and fabrication tools with precision, ensuring quality and structural integrity.

CASHIER | 09/2019 to 07/2022
McDonalds - Glace Bay, NS

- - Delivered excellent customer service in a fast-paced environment, enhancing communication and multitasking skills.
- - Accurately handled cash transactions, demonstrating attention to detail and reliability.
- - Maintained cleanliness and organization, adhering to strict health and safety standards.

METAL FABRICATOR | 04/2022 to 05/2022
East Coast Metal Fabrication - Glace Bay, NS

- - Completed college work term involving blueprint interpretation, fabrication, and welding.
- - Utilized technical skills to set up and operate fabrication machines with precision.
- - Applied measurement tools (calipers, micrometers) to ensure accuracy and quality control.

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.
- - Hands-on projects involving Python automation, MySQL database management, and cloud deployment.
- - Currently working towards CompTIA Network+ and Security+ certifications.

Nova Scotia Community College - Sydney, NS | Diploma
Metal Fabrication, 06/2022

LANGUAGES

English

CERTIFICATIONS

CompTIA Network+ Certification

INTERESTS

- Web Development and Design
- Snowboarding
- Programming
- Playing Sports
- Problem Solving
- Collecting Trading Cards
- Software Development

PROJECTS

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 for data encryption and SHA-1 for 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, CustomTkinter GUI

- Developed a sophisticated bot to automate gameplay in Pokémon, utilizing Python with libraries like OpenCV for image recognition, PyAutoGUI for input automation, and CustomTkinter for a user-friendly control panel.
- Implemented advanced screen capture and template matching to detect game states and trigger context-specific actions such as battling, healing, and fishing.
- Engineered automation logic including multi-threading for simultaneous tasks, anti-ban behavior to mimic human-like pauses, and dynamic screen resolution detection.
- Applied OCR (Optical Character Recognition) using Tesseract to read in-game text for decision-making processes, improving bot accuracy and responsiveness.
- Designed modular code architecture to support multiple game versions and easy feature expansion.
- Gained hands-on experience in GUI development, computer vision, automation scripting, and real-time event handling.

REFERENCES

Available upon request.