**Michael Couchman**2082 Buckhorn Road, Lakefield, ON, K0L 2H0 | [michaelcouchman@my.uopeople.edu](mailto:michaelcouchman@my.uopeople.edu) | (437) 230-8261  
<https://www.linkedin.com/in/michael-couchman-28249615b>

**SKILLS**

**Cybersecurity Skills**

* **Network security** – Proficiency in implementing and maintaining firewalls, MAC, access control lists, Active Directory (AD), MFA, Kerberos, and VPNs to protect against cybersecurity threats. – Proficiency in TCP/IP, DNS, DHCP, SSL/TLS, RDP, SSH, FTP and other protocols.
* **Governance, Risk, and Compliance (GRC)** – Familiar with GDPR, CCPA, Criminal Code of Canada (CCC), SOX Act/C-SOX, PIPEDA, OSHA, FIPPA
* **Frameworks**– Familiarity with red team protocols and relevant security frameworks such as MITRE ATT&CK and the Cyber Kill Chain, along with knowledge of the OWASP Top 10, CWE Top 25, NIST-800-53, NIST SCF, DoD 8510.01, and ISO/IEC 17024:2012 standards.
* **Tools-** Proficiency in Wireshark, Brim, TShark, Bloodhound, Metasploit, Netcat, Nmap, Burp Suite, Windows Defender, SIEM/SOAR (i.e. Splunk), Snort, Zeek, OpenCTI, NetworkMiner, and Forensics (FTK Imager), OpenVPN.
* **Scripting –** Bash, Python, SQL, JavaScript, PHP, Ruby, C, & Powershell

**Project Management Skills**

* **Project frameworks –** Knowledgeable in a variety of project management methodologies including Agile, Scrum, Traditional Waterfall, Kanban, and Lean.
* **Risk Management -** Proficient in anticipating barriers and risks, mitigating them through strategies, and ensuring project continuity.
* **Team Leadership –** Experienced with cross-functional and international teams, facilitating cooperation, and maintaining project momentum
* **Collaborative & Development tools–** Proficient in version control software such as Git/GitHub, Kibo, and experienced with team project platforms like MS Teams, WhatsApp, Slack, Asana, Jira, MS Project, and Click Up.

**Technical Skills**

* **Operating Systems/software -** Windows 10/11, Windows Server 2019/2025, Linux (Ubuntu, Kali, Ubuntu Server), Qubes OS (basic use), Android OS, iOS, Graphene OS, Microsoft 365, and GSuite.
* **AI/Machine Learning –** Machine Learning with Keras in Python, supervised learning with SciKit Learn, unsupervised learning with Python, linear classifiers, deep learning with Python, cluster analysis, and network analysis.
* **Programming/Scripting -** Experience in Bash, Ruby, C, C++, Java, JavaScript, PHP, Python, PowerShell, SQL, Racket, HTML, CSS, and R.
* **Cloud environments -** Skilled and experienced with using cloud computing for projects via SSH and RDP. Familiarity and experience with AWS, Digital Ocean, Linode, and Oracle Cloud.
* **Electrical/Mechanical -** Proficient in MIG, TIG, Stick, and oxyacetylene welding, as well as electrical installations (residential-industrial), soldering, hydraulics and pneumatics. Expertise and experience automatic multiplexer programming and related handling of data files (i.e. CSV).

**LICENSES & CERTIFICATIONS**

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| * **Teaching English as a Foreign Language (TEFL) (Expected)** * **Certified Information Systems Security Professional (CISSP) (Expected)** * **Project Management Professional (PMP) (Expected)** * **Certified Privacy Management Professional** [**here**](https://mcouchman2024.github.io/Resume/privacy_management.pdf) * **Certified Scrum Master (CSM)** [**here**](https://bcert.me/sjgxcklce) * **ISC2 Certified in Cybersecurity (CC) (ID#199926)** | **~Jan 2024**  **~Nov 2024**  **~Dec 2024**  **July 2024**  **June 2024**  **May 2024** |
| * **CompTIA Security+ (ID#N2S91QPYNFQ4QM5C)** | **August 2023** |
| * **Test of Russian as a Foreign Language A1 (Элементарный А1)** [**here**](https://mcouchman2024.github.io/Resume/IMG_3528.jpg) | **Feb 2023** |
| * **Industry Canada Radio Operators License (Basic w/ Honours)** | **Sept 2013** |
| * **G-Class Driver’s License** | **Present** |
| **For other courses and certificates see Linked In profile** [**here**](https://www.linkedin.com/in/michael-couchman-28249615b/) | |

**EXPERIENCE**

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| **Student / Researcher (MSc.), McMaster University** | **Sept 2018 – December 2019** |
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| * Assigned keyholder position working inside secured and controlled environments such as animal housing facilities. * Demonstrated trustworthiness and reliability in control over hazardous and controlled materials. * Administration and storage of dangerous or controlled substances (i.e. gaseous and liquid anesthetics) demonstrated safe and responsible use in compliance with legal regulations. * Multiplexer programming for automated gaseous analyses, with applications in computer automation, robotics, data management, and analysis. * Project management skills were demonstrated in managing experiments and facility time, data collection and analysis, and presentation of results. * Utilized a cross-functional team approach between researchers and resources of different departments, stakeholders, and supervisors. * Repaired and troubleshooted electronic equipment and instrumentation | |
| **Teaching Assistant, McMaster University** | **Sept 2018 – December 2019** |
|  |  |
| * Demonstrated scientific expertise by facilitating student physiology labs with setup and troubleshooting of equipment and lab software * Project management and data storage and analysis skills were demonstrated through the administration of online learning system content | |
| **Undergraduate Thesis Researcher (Hon. BSc.), Trent University** | **Sept 2017 – May 2018** |
| * Keyholder working in secure and controlled environments with animals demonstrated maturity, legal responsibility, and good character. Recommendations from animal care facility staff are available. * Project management skills were demonstrated in managing experiments and facility time, data collection and analysis, and presentation of results. * Used a cross-functional teams approach working with other researchers, their respective stakeholders, and overseeing faculty. | |

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| **Private Tutor, Self Employed** | **June 2010 - June 2018** |

* Offered individualized assistance for students attempting to achieve their various academic goals. Approaches were tailored to suit the needs of individual students, fitting the goals and challenges present for each person.
* Formal teaching / tutorial to mentoring, thought process critique, assignment review, or point-by-point consultation.
* Emphasis on individual learning style, strengths, weaknesses, and personal needs (e.g. disabilities, barriers to access).
* When applicable, I provided feedback to instructors / faculty to facilitate best practices or advocate for students. Sensitivity was taken in attempts to ensure a safe and professional environment for all learners. I took great satisfaction in seeing students achieve excellence and receive acknowledgement for their hard work.
* Received referral and recommendation from a number of faculty members.

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| |  |  | | --- | --- | | **Security Guard, Securitas Canada** | **2006-2008** | |
| * Demonstrated adaptability by working in across different work sites: commercial & industrial. * Use of electronic surveillance, access control, and log maintenance demonstrate organization and responsible authority. | |

**EDUCATION**

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| **University of the People (Pasadena, California)** Master of Science in Information Technology (MSIT)   * Cumulative GPA 3.83 (95.8%) | **Nov 2023-Nov 2024** |
| **McMaster University (Hamilton, Ontario)**  Master of Science in Biology (MSc.) | **Sept 2018 -Dec 2019** |
| **Trent University (Peterborough, Ontario)**  Honour’s Bachelor of Science in Biology   * Cumulative GPA 3.34 (83.6%) * Extensive co-curricular involvement with accessibility services, as well as awards for academic achievement and cumulative honours. | **Graduated 2018** |
| **Fleming College (Peterborough, Ontario)**  College Certificate in General Arts & Science   * Academic stream change via upgrading program before entry | **Graduated 2017** |
| **Fleming College (Peterborough, Ontario)**  College Certificate in Electrical Techniques | **Graduated 2014** |
| **Fleming College (Peterborough, Ontario)**  College Diploma in Police Foundations   * Dean’s letters of academic achievement | **Graduated 2008** |

**PROFESSIONAL AFFILIATIONS**

* **CompTIA -** Present
* **The International Information System Security Certification Consortium (ISC2) –** Present
* **Chartered Institute of Information Security (CIISec) -** Present
* **ScrumAlliance –** Present

**SPOKEN LANGUAGES**

* English – Native Proficiency
* French (Français)– B1 proficiency
* Russian (Русский)– A2 proficiency
* Tagalog – Beginner proficiency
* Mandarin – Beginner proficiency

**References available upon request**