

MARYAM YOUNIS

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in maryam-younis

Education

Computer Engineering | University of Toronto

Expected Apr 2024

- University of Toronto National Scholar
- Electrical and Computer Engineering Ambassador
- UofT Information Security Council Member - Education & Awareness Group

Skills & Certifications

Languages

English, French, Arabic

Technical Skills

C, C++, Python, ARM Assembly, Azure, Cloud Security Solutions, Microsoft 365, Networks

Certifications

Microsoft Certified: Security, Compliance, and Identity Fundamentals

Microsoft Certified: Azure Fundamentals, Microsoft Certified: Azure AI Fundamentals

Experience

Cybersecurity Cloud Solution Architect Intern | Microsoft | Toronto

May 2023 — Aug 2023

- Led a team of 4 in developing a secure conversational AI education tool using GPT-3.5, Azure Cognitive Search, Microsoft Sentinel and Microsoft Defender for Cloud
- Mentored a team of undergraduate university students in a Waterloo Experience Accelerate program on a project utilizing Microsoft Azure and AI technologies
- Spearheaded the creation of a cybersecurity fundamentals video series for Microsoft interns focused on security XDR and SIEM solutions

OT Cybersecurity Undergraduate Researcher | University of Toronto | Toronto

May 2022 — Sept 2022

- Designed and implemented a Multi-protocol Label Switching network leveraging private cloud to simulate smart grid communication networks used by Hydro Québec
- Configured Mikrotik and Cisco virtual routers across virtual machines, creating a comprehensive end-to-end simulation environment subject to various cyberattack scenarios
- Conducted detailed analysis of potential cyberattack scenarios (e.g., DDoS, TDA), implementing and testing automated recovery and fail-safe operations to ensure robust network integrity

Founder | UofT Cybersecurity Student Association | Toronto

Aug 2021 — Aug 2023

- Led a team of 9 club executives to foster educational and social growth among 90+ active club members
- Orchestrated the planning and execution of student-led cybersecurity workshops and events, focused on cybersecurity awareness and professional development
- Delegated a cybersecurity pathway program in partnership with Microsoft for student security upskilling, achieving 25+ Microsoft professional certifications amongst participants

Cyber Ethics and Digital Rights Content Lead | EWB UofT Chapter | Toronto

Aug 2021 — Apr 2022

- Investigated ongoing ethical issues in information technology in a team of three students
- Facilitated virtual hour-long monthly learning sessions promoting awareness about techno-social issues

Extracurricular Activities

National Taekwondo High-Performance Coach | Taekwondo Canada

Jan 2019 — Present

- Training high-performance taekwondo athletes at provincial and national level training camps and tournaments

Women's Self Defense Instructor | BGC Toronto Kiwanis

Nov 2021 — Aug 2022

- Empowered a group of 20 young women with self-confidence through weekly self defense trainings

Vice President of External Relations | University of Toronto Taekwondo Club

Apr 2021 — Apr 2023

- Managed all taekwondo classes, meetings, and inquiries within the organization for 90+ active members while developing and strengthening relationships among university partners, clubs and external organizations

Awards & Honors

- Natural Sciences and Engineering Research Council of Canada (NSERC) Undergraduate Student Research Award
- 3-times Taekwondo Canadian National Champion
- Master's Degree (4th Dan) Taekwondo Black Belt