Nicolas Znamenski

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Languages: French, English

Education

BSc with Honours in Computer Science
University of Ottawa, Ottawa, ON, 4th year student. Expected graduation: 2021

Skills

Languages & Frameworks: C#, Python, Java, C++, Go, Typescript, LaTeX
Technologies: ESXi, Git, CI/CD, Docker, Kubernetes, Helm, MongoDB

Experience

Global Affairs Canada *COOP & part-time*   September 2019 - Present
- Working in a security-conscious environment
- CI/CD Pipeline development using docker ansible and gitlab CI
- Containerizing existing python app into portable docker containers
- Created and maintained multiple linux virtual machines

Qlik *COOP*   January-August 2019
- Agile software development of backend microservices written in go
- Established a workflow and implementation for near-zero downtime mongoDB schema migration

Cord3 Innovation Inc. *COOP Internship (R&D)*   April-August 2018
- Evaluating Cord3's RNG's randomness using dieharder and NIST STS
- Developed a proof of concept MS Word Add-in to add custom security attributes to selections from within a document

Awards

National CPTC - Canada Regionals - 1st Place (qualified for finals)   2020
- Acted as the team Captain of a penetration testing consultant team and determined 18 vulnerabilities within a fictional power plant's network
- Delivered an extensive assessment report including: descriptions for each vulnerability identified, POCs for all exploits used and our recommendations

BSides IOT Village CTF - 1st Place   2019

CSGames - 3rd Place in the CSE challenge   2019

Projects

Linux Server and ESXi management (Homelab):
- Personal server running esxi and docker containers for Plex, discord bots, Home-Assistant and Minecraft servers mostly all managed with docker-compose

Extra-Curricular involvement

- Frequently rooting boxes and challenges on `hackthebox.eu`
- Delivered a talk at Ottawa's Docker meetup
- Participated in the 2018 and 2019 **CSGames**