

Nuohan Li

✉ nuohan.li@uwaterloo.ca ☎ 5146257566 in LinkedIn 🐙 Github 🖱 Website

SKILLS

- **Programming languages:** C/C++, Python, HTML, CSS, JavaScript, Tcl
- **Tools:** git, Linux, JQuery, Node.js, Express, Mongodb, Scapy, WireShark, MS Office suite
- Strong problem-solving skills demonstrated from work experience
- Self-learner, demonstrated through the learning of various programming languages and libraries
- Ability to communicate efficiently in English, French and Mandarin

EXPERIENCE

Test Automation Developer

09/2022 – 12/2022 | Kanata, Canada

Nokia

- Developed new automated test scripts and caught many new bugs/issues right before release
- Developed new tools/functions in existing frameworks that made developing new tests easier
- Fixed bugs in existing tests and improved their coverage while reducing overall time consumption
- Worked on interoperability issues between Cisco and Nokia routers, and fixed test scenarios that haven't been working for six months
- Maintained our team's internal webpage and documented Cisco/Nokia interop issues with possible solutions and other important procedures.
- Ran regression tests to ensure new code does not break existing features
- Reinforced fundamental knowledge about networking, protocols, and gained knowledge about encryption at layer 2 (MACsec). Also gained experience working with Cisco IOS devices

IP Customer Apps. Eng. Co-op

01/2022 – 04/2022 | Kanata, Canada

Nokia

- Gained fundamental knowledge about networking and protocols such as IS-IS, OSPF, BGP, MPLS etc.
- Built many different network topologies to simulate real-world situations.
- Support Technical Assistance Center personnel in resolving complex network issues by analyzing syslog, customer router configuration and other logs
- Built customer network topology in the lab to reproduce the issue for troubleshooting and R&D's reference
- Helped maintain and troubleshoot Python scripts

PROJECTS

Hacking Tools | C, Python 🔗

- A suite of hacking tools, wired together through a simple shell-like app. Tools include ARP spoofer, Network scanner, port scanner, and more. Mostly rewritten in Python with some networking tools written in C

CHIP-8 Emulator | C 🔗

- Emulating CHIP-8 in C - project in progress

DRandomBot | Python 🔗

- A discord bot coded in Python, using discord.py library
- Get jokes, pictures, weather, music and many more. Visit my github depository for more information.

EDUCATION

University of Waterloo

2021 – present | Waterloo, Canada

Candidate for Bachelor's of Applied Science in Computer Engineering