

Lucas Rahn

Software Engineer

Electrical Engineering student with a passion for building software solutions and learning about modern technology that will shape the future. I am currently looking for an internship/co-op position.

RELEVANT EXPERIENCE

CNTautomation, Kitchener ON — Software Developer Co-op

Sept 2021 - Dec 2021

- Designed and developed internal tools that would be used for creating custom HTML/CSS templates for products to be posted on ecommerce platforms. Developed a shipment tracking service that would pick up all shipments and display detailed status for multiple tracking carriers.
- Developed with Flask, ES6 and deployed on an AWS Lightsail instance using Docker/Docker Compose. Managed domains on Route 53 and images on S3 with Cloudfront.

Netexperience, Ottawa ON — QA Engineer Co-op

Jan 2021 - Sept 2021

- Designed and developed automation tests for disaggregated Open WiFi network solutions. Verified proper operation of access points and cross verified data sent to and from the company's API. All automation was developed with python using pytest framework, integrated TestRail APIs and Allure reporting framework for building test reports.
- Developed sanity tests which tests basic operation of the Cloud SDK and access point firmware by applying SSID profiles to the access points from the cloud, connecting wifi clients, and running TCP and UDP traffic. Used Candela Techs Lanforge solution for connecting emulated clients to the access points through the use of their libraries.
- Planned and wrote various other automation regression tests including tests for GRE tunneling, and interoperability using real wifi devices controlled by Appium.
- Designed and developed UI automation tests using selenium.
- Created bug reports using JIRA. Was in frequent communication with all development teams to resolve bugs promptly.

PROJECTS

Digimarkets – Demo: <https://digimarkets.lujr.ca> – Code: <https://github.com/lucasrahn09/digi-markets>

An application that allows users browse NFT contracts and their tokens. After connecting a metamask wallet, you have full access to view your NFT's, your NFT transaction history, and any NFT contract, for multiple EVM compatible chains.

Portfolio – Demo: <https://lujr.ca> – Code: <https://github.com/lucasrahn09/portfolio-website>

My portfolio which outlines my skills and experience developing software.

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 <https://lujr.ca>

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SKILLS

Programming Languages

Python, Javascript (ES6), Solidity, Bash, Matlab

Libraries & Frameworks

Flask, React, Pytest, Truffle/Brownie

Tools & Platforms

Git, Docker, Jenkins, Ganache, Nginx, AWS, JIRA, PostgreSQL

EDUCATION

University of Ottawa

Sept 2017 - Current

BASc Electrical Engineering Year 4