Aman Tawakley

647-459-3225 | amantawakley@hotmail.com | linkedin.com/in/aman-t | github.com/amaaan2906

EDUCATION

University of Western Ontario   Expected 2023

Bachelor of Science in Computer Science

EXPERIENCE

Software Engineer (Co-op) | BlueCat Networks   Sept 2021– May 2022

- Modernize UI for Gateway (enterprise automation portal) using the React framework following a test-driven environment
- Developed a new modular and efficient solution for internal use to validate the copyright in project files
- Maintained and updated back-end Python infrastructure to support new features

Web Developer | Western Society for Civil Engineering   Sept 2020 – April 2021

- Volunteer position at a university club
- Revamped webpage UI to be more modern and user friendly
- Implemented a secure portal to manage website content
- Migrated existing data to a cloud MongoDB database

Software Developer (Co-op) | Zenith System Solutions   June 2020 – Aug 2020

PROJECTS

ToHacks 2020: MaPic (Mongo, Express, Vue.js, GCP)

- Web application for users to upload and find photographic locations.
- Leveraged GCP image recognition to tag uploaded images for improved search accuracy and content filter.

URL Shortener (Mongo, Express, Node, Heroku)

- Developed a simple full-stack web based micro-service that takes a long URL and sets a redirect from a unique alpha-numeric string.
- Ongoing project that has been deployed on Heroku cloud.

CSS Component Library (Node.js, Less CSS)

- A personal modern UI component library integrating various design styles.
- Actively being updated with new styles or components and support for JavaScript frameworks.
- Plan for it to be published on **npm** in the future.

Reddit Client (Vue, Firebase)

- Creating a web app to display sub-reddit data pulled from the Reddit public API.
- Updated UI design to be simpler and easier to navigate.

Password Manager

- Currently researching and modelling a vault-based password manager.
- Initially to be a CLI tool to directly interact with back-end code.
- Plans to add a web or desktop app.

Technologies and Languages

- Java, JavaScript, TypeScript, Python, C/C++, HTML, CSS, Less (CSS)
- Vue, React, Angular, Node, Express, Maven, Webpack, Git, Selenium, Docker, Heroku, AWS, Firebase, Figma, Insomnia, Unix