

Owen Allen

owenallen.2000@gmail.com | (705) 205-2944 | linkedin.com/in/owen-allen00/ | github.com/owen-allen

WORK EXPERIENCE

Bank of Montreal

Software Developer

Toronto, Ontario

May 2022 - Aug 2022

- Developed a user-friendly frontend for a Managed File Transfer web application that allows users to schedule automated file transfers, add new server destinations and add credentials using SSH Keys or name and password
- Collaborated with stakeholders and cross-functional engineering teams to establish project timelines, prioritize features, and grasp user-driven project requirements
- Created a login page integrated with Microsoft Active Directory for authentication, enhancing security for the application
- Designed and implemented REST API routes for multiple applications to enable backend data access
- Hosted applications on Linux Servers with automated updates using Git, ensuring high availability and efficient development workflows
- **Leveraged technologies:** Next.js, TypeScript, Tailwind CSS, MongoDB, Linux

Ericsson Canada

Automation Scripting Co-op

Ottawa, Ontario

Sept 2020 - Aug 2021

- Led a successful knowledge sharing initiative, utilizing Python scripts to securely migrate over 5000 pages of documentation to Confluence, thereby consolidating the company's knowledge base
- Established a pipeline that seamlessly connects Outlook, SharePoint, Power Automate, Azure Blob Storage and Azure Functions to automate processes, including ticket updates and notifying stakeholders with vital information
- Developed Bash and Python scripts integrated with Ericsson's MoSHELL system, enabling engineers to efficiently verify spectrum sharing node configurations, saving hundreds of engineering hours
- **Leveraged technologies:** Python, Azure Functions, Azure Blob Storage, Power Automate, Bash

EDUCATION

Carleton University

Bachelor of Computer Science

Ottawa, Ontario

Sept 2018 - Apr 2023

- 11.06/12 in major GPA
- Coursework includes Design and Analysis of Algorithms, Database Design (SQL), Web Applications, Object-Oriented Software Engineering, Applied Cryptography, Computer Vision, Social Network Theory
- Minor in Philosophy

PROJECTS

Clucker (A social media app)

- Developed a social media web application where people can share short messages, called clucks, with their friends
- Integrated NextAuth.js for secure sign-in authentication, including Google sign-in and JWT handling
- Hosted the CRUD Django backend in the cloud using AWS Elastic Beanstalk
- The app is live at clucker.vercel.app and the repo with images of the frontend can be found on my GitHub at github.com/Owen-Allen/clucker
- **Leveraged Technologies:** TypeScript, Next.JS, Django, Tailwind CSS, shadcn/ui, AWS Elastic Beanstalk

Bookstore Web App

- Created an intuitive bookstore web application, facilitating user-friendly functionalities including seamless cart management and efficient checkout procedures
- Leveraged PostgreSQL database to efficiently store and manage book and order information, integrating Prisma for streamlined database operations directly from the web application
- Hosted the application using Vercel and Supabase
- **Leveraged Technologies:** TypeScript, Next.JS, PostgreSQL, Tailwind CSS

SKILLS

JavaScript, TypeScript, React.js, Next.js, Node.js, Python, Django, Tailwind CSS, HTML5, CSS, SQL, NoSQL, Linux, Bash, REST APIs, Azure Functions, Blob Storage, S3, AWS Lambda, Git, French