

Vincent Nguyen

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Skills

Languages

JavaScript, Python, C#,
Java, Arduino C++

Frontend

HTML, CSS, React,
Storybook, Axios, Redux

Backend

SQL, MongoDB, Flask,
Express, Firebase

Other

Git, Heroku, Jest,
Selenium, Azure, Power BI

Professional Experience

Front-End Developer Intern, Kinaxis

Sep 2021 – Dec 2021 | Ottawa, ON

- Developed **React** components in **TypeScript** for Kinaxis' in-house frontend library Parcel, including a search dialog, date picker, and time input.
- Translated UX designs for new homepage components to **React** for a company hackathon project.
- Implemented front-end unit testing in **Jest** for both new and existing code.

Web Developer Co-Op, AGF Investments

May 2021 – Aug 2021 | Toronto, ON

- Developed new **Selenium/JUnit** testing suites for the Group Accounts Administration feature in **Java**.
- Refactored existing unit testing suites to optimize the deployment pipeline speed by **40%**

Software Engineer Co-Op, Manulife Financial

Sep 2020 – Dec 2020 | Waterloo, ON

- Conducted a proof-of-concept project for **Microsoft Power BI** by developing custom visuals in **TypeScript** and **React** to enhance data analysis.
- Set up architecture tools in an **Azure VM**.

Junior Student Developer, Tauria

May 2019 – Apr 2020 | Waterloo, ON

- Developed automated unit testing suites with **Selenium/NUnit** in **C#** to save manual testing effort by **20%** and improve software reliability.
- Solved minor frontend issues in **JavaScript**.

Projects

MERN Stack Website - Simfile Seeker, <https://github.com/nvplus/simfile-seeker>

- Created a website for dance game players to browse and upload custom song packs for Stepmania.
- Built a responsive **React** frontend with **Redux** for state management and **Axios** for HTTP requests.
- Leveraged **Express** to develop a **REST API** which communicates with a **MongoDB** server hosted in **Atlas**.
- Secured API access with **JWT** and handled password encryption with **bcrypt**.

React Movie API Viewer, github.com/nvplus/omdb

- Created a **React** application that utilizes the OMDb API to view and save movie information.
- Deployed on **Heroku** for **CI/CD**.

DDR Arcade Platform Restoration

- Converted a DDR arcade stage to use analog sensors with an **Arduino Leonardo** and **C++** code.

Education

Computer Science (BSc), Wilfrid Laurier University

Sep 2018 – present | Waterloo, ON

- **Relevant Courses:** Algorithms, Data Structures, OOP, Databases, Software Engineering, Networks
- **Laurier Computing Society Vice President (2019 - 2020):** Lead the events team to organize activities such as coding tutorials, speaker talks, and programming competitions.