

Hocian Wade

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Skills

- **React** | **Next JS** | **HTML5** | **TypeScript** | **C#** | **CSS3** | **JavaScript** | **Python 3.x** | **C++** | **CI/CD** | **TSX** | **npm** | **SQL** | **Pandas** | **LUA**
- **Git Version Control** | **Technical Writing** | **Tailwind** | **Java** | **automation** | **NumPy** | **DynamoDB** | **Scikit-learn** | **Pipelines** | **ESLint**
- **AWS S3** | **TensorFlow** | **Cloud Infrastructure** | **GraphQL** | **Machine Learning** | **Data processing** | **Json** | **Node.Js** | **Databases** | **Vite**
- **File Architecture** | **Vue** | **Frameworks** | **PyTorch** | **npm** | **Junit** | **Lambda** | **Microservices** | **PyQt** | **Figma** | **Linux** | **Golang**
- **Full-Stack** | **Backend** | **Frontend** | **APIs** | **Amazon Web Services** | **Modern UI/UX Design** | **Web Development** | **Unit Testing**
- **Strategic Planning** | **Keras** | **DevOps** | **OpenCV** | **Project Scaling** | **Mock-ups and Prototyping** | **Software Optimization** | **Unix**
- Solved many LeetCode and HackerRank problems. Proficiency in testing software and debugging code with complexity.

Experience

Software Engineer, Intern (L4)

[Amazon](#)

Toronto

Summer 2023

- Designed and implemented a scalable automated cloud resource purging system with **Java**, **TypeScript**, and the **AWS suite** enabling transient testing environments for DevOps teams saving revenue and resources for **Amazon** and other teams.
- Product owner of a deploy action to be used by thousands of users on **CodeCatalyst** to automate deployment cleanups.
- Integrated a new cloud purge action for **CodeCatalyst** and CloudFormation. Improved upon legacy code with Java and the **AWS CDK** optimizing the performance and metrics of **CodeCatalyst** by freeing server resources free reducing load.
- Reduced computational load by streamlining cloud deployment removals saving millions in server costs and uptime.

Education

York University | Bachelors in Computer Science

Toronto

09/2023 - Present

- Computer Science (BA) at Lassonde School of engineering - **Second Year (Sophomore Year)**
- *Object oriented programming, Web Dev, Linear algebra, Discrete Mathematics, Computer applications, **Data structures and Algorithms.***

Thistletown Collegiate Institute | OSSD ([IT S.H.S.M Seal](#))

Toronto

11/2020 – 06/2022

- *OOP (Python), Calculus/vectors, Computer engineering (TEJ4M1), circuitry and logic gates, Advanced functions*

Projects

- [QuickClick \(Auto Clicker\)](#): A **Python** GUI program that automates repetitive clicking with custom quantities and delay time
- [Morseley.com \(Morse-Code Translator\)](#): A responsive web app that manipulates text data to translate English into morse code and back made with **Next.js** and **Node JS**
- [Emotion Detector \(ML\)](#): A Machine learning model that predicts if a face is happy or sad made with **TensorFlow** and **Python**
- [ChefGPT](#): A web app that integrates the GPT AI API from **OpenAI** to process ingredients and help you make a meal with steps
- [Finance Tracker](#): Web app to track your monthly cashflow inclusive of stocks and expenditure built with **React and NextJS**
- [Qr-Code Generator](#): Utility software made to effortlessly generate **Qr** codes with text data/hyperlinks in **Python**
- [YouTube Playlist Downloader](#): App made to download any YouTube playlist easily with just the playlist link
- [Graph Plotter](#): App made with **Python** and **Matplotlib** to create graphs easily
- [MirrorHound](#): A chrome extension built to detect mirrored websites used for phishing made with **JavaScript** and **Json**
- [Python Cache Cleaner](#): Desktop application designed to clear cache and unused files easily with batch, **PyQt** and **Python**
- [Arduino Timer](#): **Embedded Software** to make an **Arduino** loop counting from 0-9 and various letters
- [House Price Prediction \(ML\)](#): Machine learning model to predict house prices from a dataset made with **Scikit learn**
- [Password Generator](#): Optimized and randomized password generator made in **C++** for complex and secure passwords