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