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 | TTD
- 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 **GPT 3.5** using the **OpenAI** API 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