Hocian Wade

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Skills _____

- Java | React | Next JS | HTML5 | TypeScript | JavaScript | CSS3 | Python | C/C++ | Rust | CI/CD | SQL | LUA | Golang | GCP
- Git Version Control | Technical Documentation | Tailwind | Automation | NumPy | Scikit-learn | TDD | Pipelines | ESLint
- AWS Platform | Svelte | Cloud Architecture | GraphQL | Amazon Web Services | Machine Learning | PyTorch | Json | Ruby
- Software Architecture | Jest | Junit | Vue.Js | REST APIs | PyQt | Figma | Linux | Shell | Databases | TSX | Microservices
- Full-Stack | Backend | Frontend | Cloud Development | Modern UI/UX Design | Web Development | Unit Testing | Django
- Strategic Planning | OpenCV | Firebase | Google Cloud Platform | Software Optimization | DevOps | Vite | Unix | Node.JS
- Software Testing | Object oriented programming | CloudFormation | LeetCode | Cloud Computing | Requirements planning

Experience _____

Software Engineer, Intern   **Amazon**   **Toronto**   **Summer 2023**

- Designed and implemented a scalable automated cloud resource purging system with **Java**, **TypeScript**, and **AWS** services unlocking transient testing environments for **DevOps** teams saving revenue and resources for **Amazon** and other companies.
- Built a custom deployment feature reaching thousands of users on **CodeCatalyst** for deployment optimization.
- Integrated a new cloud deployment feature for **CodeCatalyst** and improved legacy code upgrading the AWS backend using **Java** and the **AWS CDK** improving the metrics and performance for **CodeCatalyst** with cloud resource management.
- Saved millions in server costs by reducing computational workload and streamlining easy cloud deployment management.
- Improved user experience alongside the UX team and improved the overall performance of **CodeCatalyst**.

Education _____

York University   **Bachelor's Degree in Computer Science (Junior Year)**   **Toronto**   **09/2023 – Present**
- *Object oriented programming, Web Dev, Linear algebra, Discrete Math, Theory of computation, **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, Mathematics*

Projects _____

- **Morseley.com**: A website to translate morse-code crafted with **Next.js** and **Node JS** and later evolved into a node package.
- **Finance Tracker**: Web app to track monthly cashflow inclusive of investments and expenses built with **React/NextJS**
- **ChefGPT**: A web app integrating **GPT 3.5** using the OpenAI API to process ingredients and do meal prep step by step
- **Qr-Code Generator**: Utility software built to effortlessly generate **Qr codes** from any text or data written in **Python**
- **FitPick:** An app that saves your closet virtually and picks one out for you randomly created with **firebase** and **NextJS**
- **YouTube Playlist Downloader:** App made to securely download any YouTube playlist easily created with Python
- **MirrorHound**: A chrome extension built to detect mirrored websites used for phishing written in **JavaScript**
- **House Price Prediction (ML):** Machine learning model to predict house prices from a dataset designed with **Scikit learn**
- **Arduino Timer:** **Embedded Software** to make an **Arduino** loop counting from numbers 0-9 and letters of the alphabet
- **Python Cache Cleaner**: Desktop application designed to automatically clear cache and unused files with **PyQt** and **Python**
- **QuickClick (Auto Clicker):** A **Python** GUI program that automates repetitive clicking with custom quantities and delay time
- **Emotion Detector (ML):** A machine learning project that predicts if a face is happy or sad created with **TensorFlow** and Python