

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 | automation | NumPy | DynamoDB | Scikit-learn | TTD | Pipelines | ESLint
- AWS S3 | TensorFlow | Cloud Infrastructure | GraphQL | Machine Learning | Cloud Development | Json | Node.Js | Databases
- File Architecture | Vue | Frameworks | PyTorch | npm | Java | Junit | Rust | Microservices | PyQt | Figma | Linux | Keras | Shell
- Full-Stack | Backend | Frontend | APIs | Amazon Web Services | Modern UI/UX Design | Web Development | Unit Testing
- Strategic Planning | Golang | OpenCV | Firebase | Google Cloud Platform | Software Optimization | DevOps | Vite | Unix
- Solved many LeetCode and HackerRank problems. Experience with software testing and teamwork within large organizations.

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.
- Product owner of 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 CloudFormation 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.
- Worked closely with the UX team on Web Development to improve user experience and overall performance of platforms.

Education

York University Bachelor's Degree in Computer Science (Sophomore Year)

Toronto

09/2023 – Present

- 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
- **FitPick**: An app that lets you save your closet virtually and picks one out for you randomly made with **firebase** and **NextJS**
- **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 monthly cashflow inclusive of stocks and expenditure built with **React**, **NodeJS**, 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 securely
- **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
- **Graph Plotter**: App made with **Python** and **Matplotlib** to create graphs easily
- **House Price Prediction (ML)**: Machine learning model to predict house prices from a dataset made with **Scikit learn**