

# Hocian Wade

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## Skills

- **React** | **Next JS** | **HTML5** | **TypeScript** | **C#** | **CSS3** | **JavaScript** | **Python 3.x** | **C++** | **CI/CD** | **TSX** | **Microservices** | **SQL** | **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**
- **Software Architecture** | **Vue** | **Frameworks** | **PyTorch** | **npm** | **Java** | **Junit** | **Rust** | **npm** | **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**
- **Software Testing** | **Object oriented programming** | **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 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 (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

- **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**