

# 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**
- **Full-Stack** | **Backend** | **Frontend** | **APIs** | **Amazon Web Services** | **Modern UI/UX Design** | **Web Development** | **Unit Testing**
- **Strategic Planning** | **Golang** | **OpenCV** | **Firebase** | **Mock-ups and Prototyping** | **Software Optimization** | **DevOps** | **Vite** | **Unix**
- Solved many LeetCode and HackerRank problems. Proficiency in **testing software** and debugging code with complexity.

## Experience

Software Engineer, Intern	Amazon	Toronto	Summer 2023
<ul style="list-style-type: none"><li>• Designed and implemented a scalable automated cloud resource purging system with <b>Java</b>, <b>TypeScript</b>, and <b>AWS</b> services unlocking transient testing environments for <b>DevOps</b> teams saving revenue and resources for <b>Amazon</b> and other companies.</li><li>• Product owner of a custom deployment feature reaching thousands of users on <b>CodeCatalyst</b> for deployment optimization.</li><li>• Integrated a new cloud deployment feature for <b>CodeCatalyst</b> and improved legacy code upgrading CloudFormation using <b>Java</b> and the <b>AWS CDK</b> improving the metrics and performance for <b>CodeCatalyst</b> with cloud resource management.</li><li>• Saved millions in server costs by reducing computational workload and streamlining easy cloud deployment management.</li></ul>			

## Education

York University	Bachelor's Degree in Computer Science (Sophomore Year)	Toronto	09/2023 – Present
<ul style="list-style-type: none"><li>• <i>Object oriented programming, Web Dev, Linear algebra, Discrete Mathematics, Computer applications, <b>Data structures and Algorithms</b>.</i></li></ul>			
Thistletown Collegiate Institute	OSSD ( <b>IT S.H.S.M Seal</b> )	Toronto	11/2020 – 06/2022
<ul style="list-style-type: none"><li>• <i>OOP (Python), Calculus/vectors, Computer engineering (TEJ4M1), circuitry and logic gates, Advanced functions</i></li></ul>			

## 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**