

Randy Huynh

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Technical Skills

Languages: Java, Python, C, SQL, JavaScript, HTML5, CSS, PHP, System Verilog, Verilog

Frameworks: React, ExpressJS, NodeJS, Junit, Bootstrap, jQuery, AJAX, REST

Developer Tools: Git, VS Code, Jupyter Notebooks, IntelliJ, Eclipse, Android Studio, Git Bash, MySQL, XAMPP, PostMan, AWS Lambda, AWS S3 Buckets, AWS Certificate Manager, AWS CloudFront

Libraries: Pandas, NumPy, Matplotlib, Selenium, Tensorflow, Keras, JDA

Experience

Junior Software Developer

May 2023 – September 2023

Walk With Web

Toronto, ON

- I was responsible for full-stack development of responsive websites, enhancing user interfaces for improved user experience and **reducing load times** by up to **60%**.
- Developed** a **PHP** and **MySQL** solution with a primary focus on **minimizing server hits**, enabling **efficient front-end data retrieval**. In the back end, **strategically employed AJAX** and **jQuery** for **asynchronous data processing**, ensuring **optimal server performance** and **reduced load**.

Computer Support Assistant

Apr. 2019 – May 2023

York University

Toronto, ON

- Utilized **Cherwell Service Management** and **Halo Service Desk** ticketing systems to document resolutions for all tickets and produced troubleshooting guides for the team, complete with images, detailed descriptions, and strategic insights.

Projects

Portfolio Website | *React, AWS CloudFront, S3 Buckets, AWS Certificate Manager, Javascript, HTML, CSS* | [Github](#) | [Demo](#)

- Redesigned** and upgraded my existing portfolio website, incorporating a dynamic and modern design approach
- Implemented **React** for enhanced **frontend development**, resulting in a more interactive and user-friendly interface
- Deployed the site using **AWS Amplify** and then migrating to **AWS CloudFront** and **S3 buckets**, a strategic move to utilize advanced cloud services for robust and scalable, and cost-effective hosting

Travel Tracker | *PostgreSQL, ExpressJS, NodeJS, Javascript, Axios, HTML, CSS, EJS* | [Github](#)

- Developed a web application enabling travel tracking on an **Interactive map**, with a **PostgreSQL** database backend to store user data and travel history.
- Crafted** a responsive UI with **EJS** and **CSS**, and managed server-side operations using **ExpressJS** and **NodeJS**, ensuring efficient data handling and user experience

Climate Quest | *ExpressJS, NodeJS, Javascript, Axios, HTML, CSS, Bootstrap, AWS Lambda and Certificate Manager* | [Github](#) | [Demo](#)

- Developed and deployed a responsive website on AWS that utilized **OpenAI** for tailored activity and attire recommendations based on location and weather conditions sourced from **third-party APIs**.
- Implemented **Serverless framework** and handled API requests using **Axios** and **Express Middleware**

Capstone Project: Pollen Classification Neural Network | *Python, Tensorflow, Keras, Pandas, Matplotlib, Seaborn, NumPy*

- Developed a Neural Network model for pollen classification based on thousands of data features inputs.
- Created using **Python** for core development and data manipulation, **Tensorflow** and **Keras**
- Utilized **Matplotlib** and **Seaborn** to craft insightful **data visualizations**, elevating user experience

Secrets Sharing App | *Javascript, Node.js, ExpressJS, PostgreSQL, Bcryptjs, Passport.js* | [Github](#)

- Developed a **full-stack user authentication system** focusing on **secure login and registration** processes.
- Applied best practices for data security by implementing **password hashing and salting**

Education

York University

Toronto, ON

B.Eng, Specialized Honours in Computer Engineering

Sep. 2018 - Dec. 2023

- Relevant Coursework:** Computer Vision, Machine Learning and Pattern Recognition, Fundamentals of Data Structures, Software Design, Software Engineering Requirements, Software Engineering Testing, Introduction to Database Systems, Operating Systems, Advanced Object-Oriented Programming

Seneca College - President's Honour List, 3.6 GPA

Toronto, ON

Ontario College Advanced Diploma in Mechanical Engineering Technology - Industrial Design

Aug. 2015 – May 2018