Randy Huynh

(647) 391-9189 • Randy_Huynh@hotmail.com • https://www.linkedin.com/in/Randy-Huynh1/
https://github.com/artmedia1

Technical Skills

Languages: Java, Python, C, SQL, JavaScript, HTML5, CSS, PHP, System Verilog, Verilog
Frameworks: ReactJS, ExpressJS, NodeJS, Junit, Bootstrap, jQuery, AJAX, RestApis
Developer Tools: Git, VS Code, Jupyter Notebooks, IntelliJ, Eclipse, Android Studio, Git Bash, MySQL, XAMPP, PostMan
Libraries: Pandas, NumPy, Matplotlib, Selenium, Tensorflow, Keras, JDA

Experience

Web 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.
- Created a personal **user-friendly graphical interface**, to streamline routine tasks using **Python** and the **Selenium** library

Projects

Travel Tracker | *PostgreSQL. ExpressJS, NodeJS, Javascript, Axios, HTML, CSS, EJS* | [Github]
- Developed a web application enabling travel tracking on an **Interactive map**, with a **PostgresSQL** 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* | [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

Alphen - Personal Discord Bot | *Java, Java Discord API, Reddit API, Google API* | [Github]
- Developed a Java-based Discord bot centralizing features from various websites.
- Utilized Java Discord **API**, integrating Google Search and trending Reddit threads via **APIs**.
- Adopted the **Command pattern** for **modularity** and **future expansions**.

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*