

Tonny Zhao

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LinkedIn: linkedin.com/in/tonny-zhao 🔗 <https://thelonelyotaku315.github.io/personal-website/>

Professional Experience

Customer Service Employee, Best Buy

05/2022 – 08/2022

Montreal, Canada

- Handled customer returns, and online orders ensuring customer satisfaction.
- Managed high stress situations and resolved complaints from customers while maintaining the quality of service.
- Addressed the client's concerns.

Education

Bachelor of Engineering - Computer Engineering C.Edge, Concordia University

2023 – 2027

Montreal, Canada

- Member of the Co-operative Education Program (C.Edge).
- Relevant Courses: Programming Methodology, Data Structures and Algorithms, Software Process and Practices, Databases, Introduction to Theoretical Computer Science, Computer Graphics

DEC - Computer Science and Mathematics, Vanier College

2020 – 2023

Montreal, Canada

Relevant Courses: Introduction to Programming, Data Structure and Object-Oriented Programming, Program Development in a Graphical Environment, Integrative Project in Computer Science and Mathematics

High School Diploma, Calixa-Lavallee High School

2015 – 2020

Montreal, Canada

Skills

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|-------------------------------|-----------------------|
| • Full-stack development | • Angular integration |
| • MongoDB database management | • Linux system setup |
| • Agile methodology | • Node.js development |
| • Visual Studio Code IDE | • JavaFX development |
| • Java | • Python |
| • C++ | • HTML |
| • CSS | • TypeScript |
| • JavaScript | • Git |
| • Github | • Microsoft Word |
| • Microsoft PowerPoint | • Microsoft Excel |

Languages

- English
- French
- Chinese

Projects

Personal Portfolio Website , <i>Angular . HTML . CSS . TypeScript</i>	06/2025
https://thelonelyotaku315.github.io/personal-website/	
Personal portfolio website built with Angular to showcase my projects, skills, and experience.	
 ChatHaven , <i>Angular . Node.js . MongoDB . Git . GitHub</i>	01/2025 – 04/2025
https://github.com/Error-0-Project-W25/Error-0-SOEN31_Project_W25	
<ul style="list-style-type: none">Built a full-stack group messaging platform with role-based permissions and real-time communication.Developed modular UI components (chat log, channel sidebar, etc.) and integrated the Giphy API, LinkPreview API, Gemini API.Used Git and GitHub for version control and collaboration in an Agile team environment.	
 Bluetooth Light Controller , <i>ESP32 - C++</i>	11/2024 – 12/2024
https://github.com/TheLonelyOtaku315/ESP32-LED-Controller	
<ul style="list-style-type: none">Programmed a Bluetooth LED controller using serial communication via USB, Bluetooth, and hardware buttons.Demonstrated real-time control and multi-interface responsiveness.	
 k-NN Classifier - Final Project , <i>Java</i>	05/2024 – 08/2024
<ul style="list-style-type: none">Developed a k-nearest neighbor machine learning model for medical data classification (569 instances).Collaborated with a team and applied algorithmic optimization strategies.	
 Electricity & Magnetism Simulation , <i>Java . JavaFX . CSS . Git . GitHub</i>	01/2023 – 05/2023
<ul style="list-style-type: none">Simulated electric fields from point charges and interactive logic gate circuits with a drag-and-drop interface and real-time output.Developed the application using Java, JavaFX for UI, and CSS for styling.Used Git and GitHub for version control and collaboration in an Agile team environment.	
 RetroPie Gaming Console on Raspberry Pi , <i>Raspberry Pi . Linux . RetroPie</i>	11/2022 – 12/2022
<ul style="list-style-type: none">Configured emulators, managed ROM libraries, and optimized system for retro gaming.Gained experience in Linux system setup, troubleshooting, and configuration.	
 Temperature Converter , <i>Java . JavaFX . CSS</i>	08/2022 – 12/2022
https://github.com/TheLonelyOtaku315/TemperatureConverterVS	
<ul style="list-style-type: none">Built an interactive temperature converter using JavaFX as a final course project.Designed the user interface with CSS and implemented logic for Celsius, Fahrenheit, and Kelvin conversions.Led a small team, coordinated development tasks, and ensured on-time project completion.	