

# Tonny Zhao

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## Professional Experience

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| <b>Customer Service Employee, Best Buy</b> <ul style="list-style-type: none"><li>Handled customer returns, and online orders ensuring customer satisfaction.</li><li>Managed high stress situations and resolved complaints from customers while maintaining the quality of service.</li><li>Addressed the client's concerns.</li></ul> | 05/2022 – 08/2022<br>Montreal, Canada |
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## Education

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| <b>Bachelor of Engineering - Computer Engineering C.Edge, Concordia University</b> <ul style="list-style-type: none"><li>Member of the Co-operative Education Program (C.Edge).</li><li>Relevant Courses: Programming Methodology, Data Structures and Algorithms, Software Process and Practices, Databases, Introduction to Theoretical Computer Science, Computer Graphics</li></ul> | 2023 – 2027<br>Montreal, Canada |
| <b>DEC - Computer Science and Mathematics, Vanier College</b> <p>Relevant Courses: Introduction to Programming, Data Structure and Object-Oriented Programming, Program Development in a Graphical Environment, Integrative Project in Computer Science and Mathematics</p>   | 2020 – 2023<br>Montreal, Canada |
| <b>High School Diploma, Calixa-Lavallee High School</b>   | 2015 – 2020<br>Montreal, Canada |

## Skills

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| <ul style="list-style-type: none"><li>Full-stack development</li><li>MongoDB database management</li><li>Agile methodology</li><li>Visual Studio Code IDE</li><li>Java</li><li>C++</li><li>CSS</li><li>JavaScript</li><li>Github</li><li>Microsoft PowerPoint</li></ul> | <ul style="list-style-type: none"><li>Angular integration</li><li>Linux system setup</li><li>Node.js development</li><li>JavaFX development</li><li>Python</li><li>HTML</li><li>TypeScript</li><li>Git</li><li>Microsoft Word</li><li>Microsoft Excel</li></ul> |
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## Languages

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| <ul style="list-style-type: none"><li>English</li></ul> | <ul style="list-style-type: none"><li>French</li></ul> | <ul style="list-style-type: none"><li>Chinese</li></ul> |
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## Projects

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### **Personal Portfolio Website**, *Angular . HTML . CSS . TypeScript*


06/2025

<https://thelonelyotaku315.github.io/personal-website/> 

Personal portfolio website built with Angular to showcase my projects, skills, and experience.

### **ChatHaven**, *Angular . Node.js . MongoDB . Git . GitHub*

01/2025 – 04/2025

[https://github.com/Error-0-Project-W25/Error-0-SOEN31\\_Project\\_W25](https://github.com/Error-0-Project-W25/Error-0-SOEN31_Project_W25) 

- 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**, *ESP32 - C++*

11/2024 – 12/2024

<https://github.com/TheLonelyOtaku315/ESP32-LED-Controller> 

- 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**, *Java*

05/2024 – 08/2024

- 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**, *Java . JavaFX . CSS . Git . GitHub*

01/2023 – 05/2023

- 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**, *Raspberry Pi . Linux . RetroPie*

11/2022 – 12/2022

- Configured emulators, managed ROM libraries, and optimized system for retro gaming.
- Gained experience in Linux system setup, troubleshooting, and configuration.

### **Temperature Converter**, *Java . JavaFX . CSS*

08/2022 – 12/2022

<https://github.com/TheLonelyOtaku315/TemperatureConverterVS> 

- 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.