

Zhenhao Yang

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Professional Experience

WatsonBio

Remote | Full-Stack Developer | Jul, 2025 – Present | [Project Link](#)

- Rebuilt the website using **Astro & React** to enhance performance, responsiveness, and SEO.
- Developed front-end components for **Content display** (via Markdown/MDX as file-based CMS) and **Product & service pages**
- Refactored UI logic to improve order display and overall user experience.
- Built responsive and reusable UI with **JavaScript/TypeScript** and **Tailwind CSS**.

C-file V2.5 | Insurfact

Insurfact, Montreal, QC | Full-Stack Developer | May 1, 2025 - present | [Project Link](#)

Contributed to the modernization of a 20-year-old enterprise platform by building a new, responsive, and mobile-friendly web application. The project aimed to reimagine the legacy system with modern technologies while preserving its reliability and long-term stability.

Key Contributions:

- Fixed and built UI using **Vue.js** and **JSF**
- Resolved legacy front-end issues to improve performance and maintainability
- Implemented **i18n** internationalization, supporting multiple languages
- Created custom component wrappers to streamline and standardize the UI
- Delivered a **mobile-first** experience optimized for all devices

Hackthon | Front-End Developer

ConUHacks IX, Concordia, Montreal, QC | Feb 2, 2025

- Developed a dynamic, user-friendly interface for an interactive conversation game that promotes persuasion through empathy, professionalism, and respect.
- Utilized **React** and **Tailwind CSS** to create a sleek, intuitive UI, ensuring seamless user experience and responsive design.
- Implemented game mechanics where players engage in **AI-driven dialogues**, adapting to player choices with personalized, emotionally intelligent responses.
- Contributed to the continuous optimization of AI-driven emotional analysis for more authentic and dynamic conversations.

Education

Bachelor in Mathematics and Statistics

Concordia University, Montreal, QC | 2023 - present

- Coursework: Calculus, Linear Algebra, Probability & Statistics, Mathematical Modelling, Java, C++.
- Developed **responsive websites** using HTML, CSS, and JavaScript.
- Implemented **React.js** to enhance front-end performance.
- Conducted **UI/UX testing** for web applications.

Programming BootCamp

Web Development (HTML, CSS, JavaScript, React, REST-API) | 2023 - present

- Completed an intensive bootcamp focused on modern web development technologies, gaining hands-on experience in **HTML, CSS, JavaScript, Typescript, React, Vue, and RESTful APIs**.
- Built full-stack web apps with React and JavaScript, creating responsive, mobile-first layouts using HTML and CSS for optimal user experience.
- Developed RESTful APIs for data interaction, ensuring seamless communication between front-end and back-end systems.
- Experienced with **MCP server setup**, and integrating **Generative AI via API calls** for enhanced application functionality.

Skills

- **Programming & Web Development:** Java, C++, JavaScript, Typescript, HTML, CSS, Node, REST API, Front-End Frameworks(React, Vue), Back-End Frameworks(Express.js)
- **Version Control:** Git, github
- **Mathematics & Data Analysis:** Probability, Linear Algebra, Data Visualization
- **Graphic & UI/UX Design:** Adobe Photoshop, Adobe Illustrator, InDesign, Figma

Projects

- **PrimeVue Kit**
 - **InputDateMask** is a custom Vue 3 component built on top of PrimeVue, combining the power of masked input and inline date picking. It allows users to input or select dates in a consistent, validated, and formatted manner. This component is part of the Prime Kit open-source UI collection and can be installed via pnpm or npm.
 - <https://github.com/hugcanada/PrimeVueKit>
- **MTLove (ConUHacks IX, 2025-02-01)** – A chat-based interactive AI game that simulates real-life conflicts and helps users find optimal solutions. Developed **front-end logic** using **React, Vite.js, Zustand, and React Router**.
 - [github: https://github.com/hdcola/MTLove](https://github.com/hdcola/MTLove)
 - [live demo: https://mtlove.pages.dev](https://mtlove.pages.dev)
- **Portfolio Website** – Designed and developed a personal portfolio using React and Tailwind CSS.
 - allenzyh.com/portfolio