Zhenhao Yang

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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.
  - Source Code

- **Portfolio Website**
  - allenyzh.com

Professional Experience

NeverNull Tech Inc.

Contract - Remote | **Full-Stack Developer** | *May, 2025 - Present*

- **WatsonBio** | *Jul, 2025 - Present* | Project Link

  - Rebuilt the website using **Astro & React** to enhance performance (**Each Pages should be open no more than 3 seconds**), 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**.
  - Implement **Cloudflare Turnstile** Anti-bot component and **google analsytic**(Managed by cookies)

- **C-file V2.5 - Insurfact** | *May, 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

John Abott College | Apr. 26 2025 | Source Code

- TaxAgentServer is an AI-powered automatic tax filing assistant designed to simplify the entire tax return process.
- Tech Stach I have contributed
  - Python — Core programming language
  - Playwright — Browser automation for seamless web interaction
  - Google GenAI — Natural language understanding and AI-driven processing

Hackthon | Front-End Developer

ConUHacks IX, Concordia, Montreal, QC | *Feb 2, 2025* | Live Demo | Source Code

- 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**