Vincent Chau

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Web: vincentczhou.github.io

Projects

vincentczhou.github.io | Personal Portfolio
Nov. 2022 – Present
- Designing an interactive web portfolio using React and Material UI from scratch
- Developing efficient, scalable code to minimize rendering time and provide ease for updates

Bellevue College InfoSec Club Website | Full-Stack Web Application
Nov. 2022 – Present
- Creating original "capture the flag"-style cybersecurity challenges for club members to practice with
- Implementing a Next.JS backend to handle user input "flag" verification
- Collaborating with others to streamline an efficient deployment system using Continuous Integration and Git

MaiHome | Arcade Machine Hardware
Sep. 2020 – Present
- Utilizing I2C bus with Arduino to interface with and emulate commercial hardware
- Researching existing hardware architecture for a non-documented system
- Troubleshooted hardware issues involving software and hardware integration
- Working with a multilingual international team to develop consumer cost-friendly solutions

MaiTools | Full-Stack Web Application
Jan. 2020 – Jul. 2020
- Created an original frontend using a server-side template engine and vanilla JavaScript to facilitate user input
- Implemented an Express.JS backend to decrypt and translate user data
- Utilized a Node.JS foreign function interface mechanism to enable integration of an existing C++ library into the backend

Pilplup Support | Discord Bot
Sep. 2018 – Jul. 2019
- Integrated Discord API to execute user-triggered functions and handle data
- Built a platform to manage real-time auctioning of virtual merchandise

Experience

Bellevue College | Teaching Assistant (Fundamentals of Computer Science)
Mar. 2023 – Present | Bellevue, WA
- Teaching fundamental data structures and algorithms in Java
- Identifying vulnerabilities and developing solutions for a PHP-based homework grading platform

Meet Fresh | Barista
Sep. 2018 – Apr. 2020 | Bellevue, WA
- Independently managed a storefront while making orders in fast-paced conditions

Evangelical Chinese Church | Taiwan/AWANA Youth Leader
Sep. 2015 – Jul. 2017 | Redmond, WA and New Taipei City, Taiwan
- Organized English classes for underprivileged Taiwanese middle school students

Education

Bellevue College
Bellevue, WA
A.S. in Engineering
Expected Jun. 2023
GPA: 4.0

Coursework

Multivariable Calculus • Statistical Analysis • General Engineering Physics • General Chemistry • Cellular Biology • Fundamentals of Computer Science

Skills

Technical Languages
CSS • HTML • JavaScript • Java • Python
Frameworks/Tools
Node.JS • Next.JS • React • Git
Software
Adobe Photoshop • Adobe Illustrator • Microsoft Office
Languages
English (Native) • Mandarin (Fluent) • Cantonese (Near-Fluent) • Japanese (JLPT 3)

Leadership

President
Bellevue College InfoSec Club
2022 – Present

Interests

Computer Science • Computational Biology • Penetration Testing • Reverse Engineering • STEM Fields • Graphic Design • Piano