



## CONTACT ME

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## EDUCATION

### Bachelor of Engineering in Information Engineering City University of Hong Kong

2018 - 2023

- Graduated with Upper Second Class Honours

## LANGUAGES

- English
- Cantonese
- Mandarin

# Ben Tsui

## WEB DEVELOPER

Reliable, hard-working, and responsible with a solid understanding of software development, web development, and interface design. Self-motivated with the skills and determination required to project success. Keen to adapt and learn the latest web development, interface design, and various technologies. Demonstrated ability to create responsive, aesthetically pleasing, and user-friendly websites with optimized performance.

## EXPERIENCE

### Remote Proctoring System for Online Programming Exam

#### Final Year Project - Full Stack Development

**Challenge:** Develop a system that allows students to take programming examinations in remote locations.

**Action:** Developed the system as a VS Code extension to enhance accessibility, underlying functions in monitoring and logging students' typing behavior, computation of students' suspicion score, two frontend interfaces for students and teachers respectively, and a backend server.

**Tech Stack:** (Extension:) Node.js, TypeScript, VS Code API. (Frontend:) React, Material UI, Redux, Vite. (Backend:) Express.js, Bcrypt, Jsonwebtoken, MongoDB, and more.

**Result:** Successfully built a comprehensive, responsive, cross-platform, aesthetically pleasing, and user-friendly system.

**Score:** A-

### Personal Profile Website

#### Frontend Development

**Goal:** Develop a personal profile website as a web version of this resume. This website is responsive that works in different aspect ratios on various platforms, desktop or mobile. This website also has a dark-light mode toggling feature and interactive design.

**Tech Stack:** React, Typescript, Next.js, Tailwind CSS.

**Result:** Developed a responsive, pleasant, and user-friendly website with a dark-light mode toggling feature and interactive design.

Score (PageSpeed Insights) :

- Performance: 100
- Accessibility: 88
- Best Practices: 92
- SEO: 90

## TECHNICAL SKILLS

**General Programming Languages:** JavaScript, TypeScript, Node.js, Java, C++, Python.

**Frontend Development:** HTML, CSS, React, Material UI, Tailwind CSS, Redux.

**Backend Development:** Express.js, Bcrypt, Jsonwebtoken, MongoDB, Mongoose, SQL, SAS, Neo4j.

**Software Applications / Frameworks:** VS Code, Next.js, MS Suite, Git, Github, Webpack, Vite, Matlab.

**Operating Systems:** Windows, Mac OS, Linux, WSL