CHAU HIU MAN
SOFTWARE ENGINEER / FULL-STACK DEVELOPER

📍 Yau Tong Kowloon District, Hong Kong ✉ humenchau@gmail.com 🌐 humen-debug.github.io ⌗ [Humen-debug](https://github.com/Humen-debug)

Skills

Front-end — `Flutter` `React Native` `React` `Vue` `Next.js` `AJAX` `CSS` `Tailwind CSS` `i18n`
Back-end — `Node.js` `Express.js` `Feather.js` `MongoDB` `MySQL` `GraphQL` `InfluxDB` `Firebase` `REST APIs` `WebSocket`
Languages — `TypeScript` `JavaScript` `Java` `Dart` `Python`
DevOps & Tools — `Git` `GitHub` `Docker` `CI/CD` `Linux` `Figma` `Notion`

Experience

Software Engineer — `Flutter` `Vue 2` `Feather.js` `MongoDB` `Docker`
Boxs Limited | Partly Remote   '22 – '24

- Implemented responsive user interfaces, ensuring cross-browser, cross-platform and devices compatibility
- Architected project structures optimised for maintainability and scalability
- Integrated third-party services / APIs such as payment gateways, geo-location services and social media logins, including Google Maps, Google Pay, Apple Pay, etc.
- Deployed and released applications on cloud-based environments, maintaining staging environments
- Consulted on best practices to optimise applications and websites for speed, usability, and search engine ranking
- Scoped, designed and implemented projects that enabled clients to reach larger audiences

Relevant Projects

AR Archaeology App — `React Native` `Expo` `Three.js` `Design` — 🔗 [GitHub]   '24

- An AR app with geo-location services in collaboration with Ararat Plain Southeast Archaeological Project
- Features included authentication, request pagination, batch file downloads, custom filters, real-time syncing in AR scene, offline cache, many-to-many relations
- Documented technical specifications and dependencies of applications
- Integrated with the ideas of spatial data science, algorithm and machine learning to optimise the data storage and efficiency of query

AR Archaeology Backend — `React` `Next.js` `Feather.js` `Mongo` `GridFs` `TypeScript` — 🔗 [GitHub]   '24

- Servers and a web-based admin panel to enable simplified content management, real-time updates to site information and features
- Automated manual development process of database schema to front-end components
- Key challenges include lazy load and caches, custom search and filter, file storage, client-side state management and database integration

Sleep Tracker — `Flutter` `GraphQL` — 🔗 [GitHub]   '23

- A health-care app that provides sleep pattern plans, tracks sleep cycle and generates time-series charts for monitoring progress and efficacy
- Maintained internal custom UI library, writing clear documentation with examples

Education

University of Hong Kong — Bachelor of Engineering in Computer Science   '24
Relevant Courses — `Advanced database systems` `Software Engineering` `Machine Learning` `Computer & communication networks` `Distributed & parallel computing` `Modern tech. on WWW` `Interactive mobile app. design & programming`

ASIEC Code Up! — UX Design Program   '22

Languages

`Cantonese - Native` `Mandarin - Advanced` `English - Fluent`