ZHEN YAO HENG

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EXPERIENCE

Off-Axis Ticketing 🔗   **Glasgow, United Kingdom**
Software Developer   September 2024 – March 2025

Engineered key features as part of a 5-member development team to create a comprehensive ticketing system website like Ticketmaster, fulfilling the requirement for a university-industry partnership course that connects students with real-world customers.

- Architected and implemented the login, registration and email password reset system with a visually appealing login and registration page to enhance user experiences.
- Architected and implemented Artist Support System to allow artists to choose gigs to support as a supporting artist.
- Collaborated with teammates in implementing the ability for users to buy tickets and have the tickets emailed to them.
- Applied agile methodology with weekly stand-up meetings and monthly sprint meetings to fulfil customer requests.
- Technologies: Django, HTML, CSS, Python, JavaScript, Stripe, GitLab CI/CD
- License: MIT license

Jit Sin High School   **Penang, Malaysia**
Camera and Drone Operator   April 2021 – March 2022

Contributed as a camera and drone operator for a medium scale graduation music video, demonstrating fast adaptability in a fast-paced production environment.

- Worked closely with the director and director of photography to get desired shots of actors and scenery.
- Actively helped with production management and venue scouting, successfully launched "2021 Jit Sin High School Graduation Song - Sunrise M/V" on YouTube with 58k views and counting.

EDUCATION

University of Glasgow   **Glasgow, United Kingdom**
BSc of Computing Science   September 2023 – June 2026

- Modules: Object-Oriented Software Engineering, Algorithms, Data Structures, Data Fundamentals, Systems Programming, Cyber Security Fundamentals, Networked Systems, Operating Systems, Text as Data

Glasgow International College   **Glasgow, United Kingdom**
Foundation in Science and Engineering (SCQF 7 Level Certificate)   September 2022 – June 2023

- Modules: Programming, Engineering, Intermediate Mathematics, Extended Project
- Results: Pass with Distinction

COMPETITIONS

2024 Glasgow University Annual Hackathon   **Glasgow, United Kingdom**

- Contributed as part of a 5-member team and developed "Plane Panic", a 3D web game showcasing global cause-and-effect relationships.
- Contributed to creating an interactive experience which visualizes how worldwide events impact people's happiness levels.
- Technologies: HTML, CSS, Python, JavaScript, Three.js

2024 Glasgow University Code Olympics   **Glasgow, United Kingdom**

- Went through as many algorithm challenges individually as possible in the span of 24 hours

PROJECTS

Plane Panic 🔗

Interactive game that shows consequences of actions which was made during the annual DYHTG hackathon organized by the University of Glasgow School of Computing Science.

- Demonstrated the ability to work under tight time constraints and work nicely in a team to produce a working prototype in 24 hours.
- Technologies: HTML, CSS, Python, JavaScript, Three.js

InsQuire 🔗

A group project between me and a few fellow students.

- Reddit clone where users can login, submit questions, upvote and downvote on the respective questions, and answer them.
- Technologies: Django, HTML, CSS, Python, JavaScript

SKILLS

- Programming: Python (Advanced), Java (Advanced), JavaScript (Intermediate), C/C++ (Beginner)
- Web Development: HTML/CSS, Django, Stripe API, GitLab CI/CD
- Data & Systems: NumPy, Linux
- Professional: Agile Methodology, Client Communication
- Language: English (Fluent, IELTS 8.0), Chinese (Native), Malay (Working Proficiency)