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)