ZHAO Shanhe

shanhezhao4@gmail.com
+852 52608427
+86 18139331666
July 5_{th}, 1999
https://github.com/Edward-Holmes
https://github.com/Edward-EH-Holmes

Education

2019.09 – 2023.05 **BSc Honours in Internet and Multimedia Technologies, The Hong Kong Polytechnic University**
Thesis title: *Final Year Interim Project Report – Development of an IoT Application*

2025.10 – Today **MSc in MSc in Business Analytics, The Hong Kong Polytechnic University**
To be continue...

Employment History

2022.07 – 2022.08 **APEX Ace Holding Limited (Internship)**
Business Development Assistant. Responsible for market data analysis of MR, AR, VR, and other devices, hardware research, and analysis of market modules that the company can participate in and market potential

2023.07 – 2025.05 **Hami Tongxin Network Technology Co., Ltd.**
Web Frontend Engineer.

2025.06 – 2025.12 **Gourmet Orient Ltd. (Hong Kong)**
Full Stack Engineer.

Project

2022.01 - 2022.05

Darabun Web Fighting Game Development (Unity2D)
The technical exploration of Unity is realized by developing Unity2D games
Project Responsibilities:

1. Enemy development
2. Player, enemy actions, and mechanic design
3. Game value setting
4. Weapon upgrade system development
5. UI design
6. Multiplayer game development based on Mirror

Project Results:

1. Technical Exploratory Game Development
2. Multiplayer game implementation

2022.01 – 2022.07

Ready Player One Research
Implementing the metaverse with Unity3D
Realizing the Metaverse by developing Unity3D games (game optimization aspect)
Project Responsibilities:

1. VR partial implementation
2. Enemy development
3. Game value setting
4. Upgrade system development
5. UI design
6. GPU, CPU optimization

Project Results:

1. Technical exploratory game development
2. Research on game optimization
3. The game installation package links:
   https://pan.baidu.com/s/1mcb1vJBnbGnUidP4nZh3OA?pwd=06sm
   Extraction Code: 06sm

Project (continued)

2022.09 - 2023.05

IoT Development and Application – Parking lot Management
IoT development and application
HTML and other languages were used to construct the web page, SQL was used to build the database, SVM was used to recognize the license plate, Raspberry Pi was used as the IoT device, and Python was used for parking lot management.
Project Responsibilities:

1. Web development
2. Database development
3. License plate recognition system development
4. IoT device development and deployment

2023.08 - 2023.12

C1 Terminal Game AI – AI planning decisions based on hierarchical decision making and decision trees
Through hierarchical decision-making and decision trees, to achieve AI automatic combat
Project Results:

- AI Attack Strategy Algorithm Development

Project Responsibilities:

- Our AI beats the official AI

2024.03 - 2024.04

DDoS Attack Classification (Personal Project)
This project includes three models of Gaussian Naive Bayes, gradient boosting, and random forest, and the quality of the model is judged by the results of accuracy, time used, accuracy, recall, and F1 score
Project Results:

- https://github.com/Edward-EH-Holmes/DDoS-Attack-Detection

2025.10 - 2025.11

LLM Big Data Text Sentiment Analysis (Personal Project)
This project is a data analytics system to assess restaurant quality by integrating Large Language Model (LLM)-based sentiment analysis of user reviews with ensemble machine learning modeling. The project addressed rating inconsistencies on platforms like Meituan, where users sometimes leave negative feedback while assigning high star ratings, leading to inflated average scores.
Project Results:

- https://github.com/Edward-Holmes/MM5425-Project

Skills

Languages	Strong reading, writing, and speaking competencies in English, and Mandarin Chinese
Coding	Java, PHP, Python, SQL, C#, Swift, LaTeX
Databases	MySQL
Web Dev	HTML, CSS, JavaScript, Apache Web Server

Skills (continued)

Software	Unity (2D & 3D), Tableau
Misc.	Machine Learning Algorithm, Linux Operating System