

# Adam Yuan

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## Education

### University of Glasgow

Sept 22 – June 26

- BSc (Hons) Computing Science: 1<sup>st</sup> Year, 2<sup>nd</sup> Year – First Class Equivalent
- Key Modules: Algorithms, Web Dev, OOP, Networks, System Design, Mathematics, Statistics

### The Portsmouth Grammar School

Sept 18 – June 22

- A-Levels: A\*, A, A in Mathematics, Further Mathematics and Computer Science
- GCSEs: Four 9s, Three 8s and Two 7s

## Projects

### AI Facial recognition

June 21 – Aug 21

[GitHub Repository](#)

- Created an AI-based facial recognition program, that can identify the number of faces captured by a webcam
- Proficient in Python programming, with a focus on computer vision and facial recognition
- Experience with OpenCV and Mediapipe libraries for image processing and facial landmark recognition
- Calculated distances and angles between facial landmarks, demonstrating strong math skills.

### Unity Game development

Oct 21 – Jan 22

[GitHub Repository](#)

- Built a 2D 2 Players Battle game prototype using C# and Unity
- Self-learned Unity and OOP through online resources, showing motivation and commitment.

### Bookle – Daily book search web game

Feb 24 – Apr 24

[GitHub Repository](#)

- Led team to develop web game using Google Books API and designed backend architecture.
- Managed repository, handled merges, and resolved conflicts.

## Experience

### GUOrbit – Software Engineer

Oct 24 – Present

- Developing ground processing for wildfire risk assessment using satellite data.
- Integrating vegetation indices (NDVI, NDMI) with meteorological data to create risk maps.
- Applying machine learning models for **SWIR synthesis** to improve moisture prediction.

### Hackathons

- JP Morgan Code for Good – **Winner** | Apr 2025
  - Built an NLP-based app to match students in needs with suitable mentors for **MCR Pathways**.
- University of Glasgow Code Olympics – **3rd Place** | Feb 2025
  - Placed in the top 3 among university teams in a competitive coding and problem-solving event.
- JP Morgan Code for Good – **Participant** | Oct 2024
  - Collaborated on a prototype solution for the charity **Another Way** within a 24-hour challenge.

### UofG British Asian Society Vice President

Feb 24 - Present

- Led multicultural events celebrating and promoting diverse Asian cultures in Glasgow.
- Fostered a supportive and inclusive community, enhancing the university experience for international students
- Enhanced communication and networking through collaboration with university officials, sponsors, and students

## Skills and interests

- Programming Languages: Python, Java, C#, JavaScript, TypeScript, SQL, React, Git
- Other skills: Proficient in Microsoft Word, Excel, PowerPoint, Canvas
- Languages: Mandarin (Native), English (Native), Spanish (Elementary)