

Samuel Marriage

samuel.marriage@icloud.com | github.com/sammarrriage | samuelmarriage.co.uk

Education

University of York – BEng in Electronic and Computer Engineering Expected June 2026

- Member of York Engineering Society
- Relevant Coursework: Quadruped Robot Dissertation Project · Robotics Design & Construction · Advanced Sensors & Instrumentation · Control, Sensors, & Instrumentation

Work Experience

Engineering Intern, Ocado – Hatfield, UK July 2022

- Completed an engineering experience placement, working with various **software, simulation, and deployment teams**, gaining insight into **engineering workflows, code review processes, and system integration** in a large scale environment

Computer Science Assistant, Goffs Academy – Cheshunt, UK Sept 2022 – July 2023

- Assisted teaching **20+ GCSE Students**, increasing understanding of **Python** and **Computing Theory**, leading to improved exam scores

Projects

FollowerFeuds | *Source Code* | *TikTok* Python | Pygame | Simulation

- Designed and implemented a **real-time 2D physics simulation** for a competitive 'Beyblade' style game, attracting **500+ daily active users**
- Utilised **state-based logic** to model **rigid-body motion, collisions, and momentum transfer**, allowing for a **modular system** capable of handling **continuous real-time updates**

Leadership

Computer Science Prefect, Goffs Academy – Cheshunt, UK Sept 2022 – July 2023

- Attended open evenings, encouraging **multiple students** to pursue Computer Science at GCSE

Skills

Programming Languages: C++, Python, Java, VHDL, MATLAB, SQL, HTML5, CSS

Libraries/Frameworks: ROS2, Pygame, Java AWT, ArduinoBLE, mbed

Software/Tools: Visual Studio, ArduinoIDE, STM32CubeIDE, PyScripter, Eclipse, Vivado, LTSpice, Autodesk Inventor, Fusion360

Please see my portfolio for in-depth breakdowns of projects I have worked on:
samuelmarriage.co.uk