

Morgan Burke

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EDUCATION

BSc Applied Software Engineering, Cardiff University, School of Computer Science and Informatics; 2023 – 2026:

- *Projected Grade for July 2026:* 2:1.
- *Key Modules:* Web Development, Software Engineering, Database Systems, DevOps, Agile Project Management, Cyber Security, Mobile Development and Large Team Project.
- *Additional Module:* Beginners Japanese (A1).
- Team Principal & Founder 2024-2026 Cardiff Autonomous Racing Team (CAR).

Bryntirion Comprehensive School, Bridgend; 2016 – 2023:

- A-Levels: Computer Science B, History B, Welsh Baccalaureate B.
- GCSEs: 11 A*- C, including A*'s in Sciences, English and Mathematics.
- History Club Committee Member.

EXPERIENCES AND ACHIEVEMENTS

IBM TechXChange 2025, Invited Guest Speaker; Oct 2025:

- Invited speaker at 8,000+ attendee IBM TechXChange 2025 in Orlando Florida.
- Delivered a session on the work of Cardiff Autonomous Racing, highlighting our progress with support from IBM and other industry partners, and outlining how the team develops students' technical and professional skills.

Cardiff Autonomous Racing (CAR), Team Principal & Founder; Sep 2024 – Jul 2026:

- Founded and led a 30+ Student team with Cardiff University's School of Computer Science and Informatics
- Secured funding and partnerships with major industry sponsors, including IBM, Delaware UK&I, BIOS IT and Admiral Insurance.
- Directed project planning, budgeting and technical development of an autonomous racing system.
- Mentored team members and fostered interdisciplinary communication amongst team members.
- Represented the team at Formula Student UK AI 2025 & 2026, as well as university and industry events, increasing visibility and innovation.
- Related Media & Recognition: IBM Personal Article (to be published), [Cardiff University Article](#), [Delaware UK Article](#).

Tesco DotCom Department, Customer Delivery Driver; May 2024 – Present (Part-time):

- Demonstrated reliability and time management, delivering hundreds of orders weekly.

Yoichi Eco Village, Hokkaido Japan, Volunteer; Aug - Sep 2024:

- Supported community-led environmental and sustainability project.
- Collaborated with an international team developing cross-cultural communication skills and participating in cultural exchange.
- Contributed to hands-on tasks on the farm, demonstrating adaptability and initiative in a new environment differing from my studies.

Novomatic Gaming UK, Test Administrator; Jul – Sep 2023 & Jun – Aug 2024 (Contract):

- Conducted extensive manual software testing and quality assurance on gaming systems.
- Documented and reported test results, ensuring compliance with internal standards.
- Coordinated with developers to identify and troubleshoot system issues.

Home Bargains, Team Member; Aug 2021 – Mar 2023 (Part-time):

- Developed teamwork and customer service skills in a retail environment.

SKILLS AND INTERESTS

Coding Skills: Proficiency in Python, CSS, HTML, Java, JavaScript, Typescript, Kotlin, Android Studio and limited proficiency in C++

Languages: English (native), Welsh, (beginner), Japanese (beginner).

Interests: American Football, Tabletop Gaming, Rugby, Surfing, Motorcycles, Medieval & Modern History and Alternative Music.

Societies: Cardiff Autonomous Racing, Cardiff University American Football Team, Alternative Music society.

Citizenship: British, Irish.

Drivers Licenses: Full UK Driver's License (clean), CBT.