

Rufus Eade

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<https://rufuseade.com>

Education

2022 - 2025 University of Warwick - Cyber Security BSc

- Currently progressing through the second year, undertaking programming modules covering Java, C# .NET, Haskell, Blazor, WebAssembly, Python, and PostgreSQL.
- Additional modules include analysing the human psychology with software interfaces. As well as a comprehensive study and implementation of cryptography.
- Achieved multiple **1st** and **2.1** grades in the first year, demonstrating a strong academic performance. I thoroughly enjoyed learning about Linux and how it operates, as well as performing buffer overflows and analysing binaries using GDB.
- We also covered penetration testing on Linux and Windows systems, learning how to secure them after breaking in. As well as creating a Javascript application and using Infrastructure as Code to deploy it in an AWS EC2 instance, I learnt how to build a Docker container and automate its deployment using GitHub Actions and Bash scripting.

2020 - 2022 HSDC South Downs - Games Design & Development

UAL Level 3 Extended Diploma in Games Design and Development: **Distinction**

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- Created a game in Unreal Engine 4 at the end of second year, in which the player lands on an alien planet. I created cinematic cutscenes for landing on the planet and did all the programming, environments, models and textures as well as composed sound effects and background music.
- Collaborated on a 2D side-scrolling game in Godot at the end of the first year, doing all the programming and contributing to pixel art.
- My 3D Modelling/Texturing portfolio from college: https://www.artstation.com/rufus_eade

2015 - 2020 The Petersfield School

- **10 GCSE's**

Experience & Skills

Lighting Operator, Petersfield Shakespeare Festival (2021, 2022, 2023)

- Setup and managed the lighting for live performances with a 5 day deadline, demonstrating proficiency in time-sensitive environments.
- Operated the lighting desk for each performance, showcasing technical proficiency and adaptability to real-time adjustments.
- Collaborated closely with the cast and stage director to optimize lighting configurations for improved shows.
- Developed skills in planning, teamwork, rigging lights, and operating lighting desks.

Rock Climbing Club Assistant Instructor (1 year)

Volunteered an assistant instructor at a local rock climbing club that I had been at for 5 years, learning valuable leadership skills.

Hardware tinkering

- Designed a printed circuit board in KiCad to adapt a bluetooth module in the Nintendo Wii to work over USB on a PC.
- Designed a headphone amplifier using vacuum tubes in KiCad.
- Enjoy repairing electronics, and am familiar with using tools like a hot air station, multimeter, bench power supply and soldering iron.

Combined Cadet Force (3 years)

Gained valuable teamwork and leadership experience during various trips, making me effective in collaborative and under pressure environments.

Full UK Driving License**Duke of Edinburgh Bronze Award****Programming Languages:**

Bash, Java, Javascript, C# .NET, Haskell, Blazor, WebAssembly, Python

Tools & Platforms:

Arduino, KiCad, Saturn PCB Design Toolkit, Amazon Web Services, Oracle Cloud, Pulumi, Cloudformation, Docker, PostgreSQL, GDB, Git, GitHub, Linux (Debian/Ubuntu and RHEL, covering Fedora, Amazon Machine Images and Oracle Linux), Windows, Unreal Engine 4, Godot, Blender, ZBrush, World Machine, Substance Painter, RealityCapture.

Soft Skills:

Strong teamwork, leadership, time management, and adaptability.