

Personal Profile

Enthusiastic and curious software developer with a strong passion for problem-solving and continuous learning. I enjoy breaking complex problems into manageable parts and building practical, efficient solutions, often through personal tools and side projects that improve my workflow and daily life. I work confidently both independently and collaboratively, and I thrive when exploring new technologies or refining existing systems. Outside of programming, I create pixel art and 3D models in Blender, either for skill development or as part of small indie game development projects.

Skills and Abilities

Strong Knowledge

- **Languages:** JavaScript, HTML, CSS, PHP, TypeScript, Markdown
- **Technologies:** Astro
- **Systems:** Windows
- **Software:** VSCode, Helix, Git, NuShell, Blender, Aesprite

Working Experience With

- **Languages:** MicroPython, Rust, C#, GDScript, Typst, Java
- **Technologies:** React, HTMX
- **Systems:** RaspberryPI, Linux
- **Software:** Unity, Krita, Paint.NET, GIMP
- **Non-Technical:** Pixel Art, 3D Modelling

Additional Skills

- Word Processing
- Computer Assembly
- Basic Soldering

Projects

Cloudy Linker	Personal Shortlink Tools	Aug 2025
A self-hosted shortlink management tool designed to simplify sharing and organising external links. Built with Go and HTMX, it includes authentication and link management controls within a lightweight and efficient interface. l.cloudy.lol		
Tab Funnel	Browser Extension	Sep 2024
A browser extension for storing, sorting, and searching open tabs, designed as a streamlined alternative to OneTab. Built using React, TypeScript, CSS, WXT, rehype, and Day.js. l.cloudy.lol/tabfunnel		
GameGrid	Web Application	Jul 2024
A web application that allows users to generate category grids and assign games to each category. Built using Astro, React, and TypeScript. gamegrid.cloudy.lol		
Gradient Thing	Web Tool	Apr 2024
A web-based tool for generating radial gradients from custom input shapes and configurable parameters. Developed with JavaScript and PixiJS. gradient.cloudy.lol		
Timer Unite	Web Application	Oct 2022
A specialised web timer designed as a companion tool for Tower Unite players. Built using JavaScript, HTML, and CSS. timer.cloudy.lol		

Education

University of Portsmouth

Graduated 2014

Bsc (Hons) Computer Science | **Awarded 2:1** | Level 6

Studied core theoretical and practical computer science, including algorithms, logic, set theory, and software development. Programming experience included JavaScript, PHP, Java, and Haskell.

Modules Included

- Web-Script Programming
- Advanced Programming Concepts
- Computer Operating Systems and Intermediate Networking
- Data Structures and Algorithms
- Introduction to Software Engineering
- Discrete Mathematics and Functional Programming
- Theoretical Computer Science
- Web Research
- Distributed Systems and Parallel Programming
- Applied Computer Graphics and Vision

Final Project: Developed a web-based procedural texture generation tool using a node-based interface.

Chichester College

Graduated 2012

BTEC HND Diploma in Computing and Systems Development | **Awarded Merit** | Level 5

Modules Included

- Business Skills for E-Commerce
- Computer Systems
- Employability and Professional Development
- Website Design
- Object Oriented Programming
- Event Driven Programming Solutions
- Design a Small Office Home Office (SOHO) Network
- Data Analysis and Design
- Project Design, Implementation and Evaluation
- Web Applications Development
- 3D Computer Modelling and Animation
- Programming in Java
- Programming in .NET
- Networking Infrastructure
- Wide Area Networking Technologies
- Work-Based Experience

Final Project: An asteroids style game made using C# and XNA Framework.

BTEC National Diploma for IT Practitioners | **Awarded Merit Merit Pass** | Level 3

Modules Included

- Communications and Employability Skills for IT
- Computer Systems
- Information Systems
- IT Systems Analysis and Design
- Principles of Software Design and Development
- Event Driven Programming
- Communication Technologies
- Client Side Customisation of Web Pages
- Developing Computer Games
- Maintaining Computer Systems
- Web Server Scripting
- Website Production and Management
- Object Oriented Programming
- Computer Animation
- Principles of Computer Networks
- Exploring Business Activity

Key Skills in Application of Number | Level 2 **Key Skills in Communication** | Level 2

Bourne Community College

Graduated 2008

GCSE | Level 2

- **Applied ICT: Double Award AA**
- **Science A**
- **Additional Science B**
- **Citizenship Studies B**
- **English B**
- **HSBC Personal Finance Award** | Level 2
- **Certificate in Improving Own Learning and Performance** | Level 2
- **Certificate in Problem Solving** | Level 2
- **Certificate in Working with Others** | Level 2
- **Certificate of Personal Effectiveness** | Level 2
- **D & T: Electronic Products B**
- **Mathematics B**
- **French C**
- **English Literature C**
- **History C**