# CAITLIN THAELER

📍 Aberdeen, UK

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## RELEVANT WORK EXPERIENCE

**Programming Demonstrator - University of Aberdeen Oct 2023 - Dec 2023**
Led weekly practicals for students taking python, where I monitored students' progress and answered questions throughout the session, fixing technical issues on the spot

**Nightshift Supermarket Assistant - Waitrose & Partners Summer 2023**
Coordinated with coworkers to sort through and maneuver large cages of mixed stock around the store and warehouse, handled special equipment and machines to safely discard waste.

**Computer Science Class Representative Year 2 - University of Aberdeen 2023 - 2024**
Gathering feedback from students, attended meetings, & liasing with lecturers during busy periods

## PROJECTS & ACHIEVEMENTS

**Aberdeen University Hackathon 2025 1ˢᵗ place - April 2025 | Python, *Django, JavaScript, CSS***
My group won first place overall at the University of Aberdeen 2025 Hackathon because of our innovative design and technical execution. We created an assignment tracker website which aims to encourage students to complete their university tutorials through leaderboards, badges, and built in communication tools to get direct help from teachers, fellow colleagues, and an AI chatbot. https://github.com/caitlinthaeler/team-3.git

**SAR 2.0 - Oct 2024 - May 2025 | *PHP, Python, Vue.js, Laravel, Agile, Scrum, API***
Cut backend logic costs to 0£ for client by implementing custom search algorithms for a corpus web app for Search Aberdeen Registers, a project deemed significant by UNESCO World Memory of Registers. Led the refactoring of the entire website infrastructure which boosted team progress. Improved data security and code readability. Awarded 10% extra marks by peers for significant contribution. https://sar2.andreasmaita.com

**Stirred From Stone - March 2025 | *Unity, C#, Visual Studio Code***
Programmed core gameplay for a 3D thriller story driven game based on a real cathedral in Aberdeen and inspired by Scottish folklore. Players must explore the cathedral, graveyard, and crypt to complete unique events while being haunted by a restless ghost. https://github.com/caitlinthaeler/RCR-game-jam-2025.git

**Personal Website - Jan 2025 | *C#, .NET, Vue.js, API, MongoDB, Tailwind***
Built a full stack Vue.js SPA website with a C# .NET Core Web API back end that fetches data from MongoDB and various GitHub repos. My website: caitlinthaeler.com

**Kessler Syndrome - Oct 4-5, 2024 | *Unity, C#, Visual Studio***
Coded a dystopian space game in Unity for the NASA hackathon demonstrating the harmful impacts of space junk in Earth's atmosphere. Generated clusters of various sized objects, successfully avoiding spawn collisions through rigorous testing. https://github.com/caitlinthaeler/nyskooo.git

**Rogue Cat Game 2020 - 2021 | *Unity, C#, Visual Studio, Aseprite***
Developed a 2D RPG Warriors inspired procedurally generated game in Unity with Visual Studio with animated custom spritesheets. Programmed character interactions and behaviors, a rewarding leveling system, inventory, and crafting. https://caitlinthaeler.com/projects/67936e6cfd00290dbff739d8

## EDUCATION

**University of Aberdeen - MSci Computing Science 2022 - 2027 Predicted 1:1**
Courses Taken: Programming 1, Web Development, Modelling & Problem Solving for Computing, Combinatorics, Object Oriented Programming, Computer Systems and Architecture, Software Programming, Databases & Data Management, Algorithms & Data Structures, Human Computer Interaction, Principles of Software Engineering, Artificial Intelligence, Operating Systems, Robotics, Distributed Systems & Security, Languages & Computability, Enterprise Computing & Business, Software Engineering & Professional Practice

**Portsmouth High School - A-levels 2020 - 2022**
Computer Science (A), Mathematics (B), Physics (C), EPQ - Rogue Cat (A*)

## IT AND TECHNICAL SKILLS

Python, C#, Java, Lua, JavaScript, HTML, CSS, Bootstrap, UML, Unity, Visual Studio, Visual Studio Code, Defold, MacOS, Aseprite, React, Ruby, SQL, Flutter, Dart, C, Laravel, PHP, .NET apps, Vue.j, Tailwind, MongoDB, GitHub, AppScript, Scrum, REST API, Django

## HOBBIES

Games Development, Web Development, Pixel Art, Sudoku (best time 45 seconds)