

James Callan

First Class Honours BSc
Software Engineering student

Contact Details

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Links

GitHub: [ShadowCat117](https://github.com/ShadowCat117)

Portfolio: shadowcat117.github.io

LinkedIn: [james-callan-979b0b1a2](https://www.linkedin.com/in/james-callan-979b0b1a2)

Technologies & Skills

Languages

Java, C#, JavaScript, Kotlin,
Python, C++, C, Rust, HTML

Frameworks

Node.js, Junit, Architecture API

Developer Tools

Git, IntelliJ, Unity, SQLite, VS
Code, Linux, Google Cloud
Platform

Modules

Advanced Object-Oriented
Programming.

Software Testing.

Cryptography and IT-Security.

Writing Mobile Apps.

Software Engineering Project

Planning and Management.

Database Systems.

Algorithms.

Data Representation, Markup

Languages and Web Services.

Concurrency.

Fundamental Mathematics.

Education

First Class Honours

Software Engineering BSc

Swansea University

09/2018 – 06/2022

A Level

Pembroke School

09/2016 – 06/2018

Certifications

IBM DevOps and Software Engineering Professional Certificate

Completed modules 1-9 of 15.

Certifications available on request
or on my LinkedIn profile.

Experience

Wynntils – Software Developer

2023 – Present

- Independently designed and implemented over 70 features, enhancing the playing experience for users of the mod.
- Resolved more than 90 issues, ensuring for a smooth user experience.
- Conducted comprehensive code reviews providing valuable feedback to fellow developers and contributors whilst maintaining code quality standards for the project.

Austwell – Firewatcher/General Labourer

2024

- Developed a keen attention to detail and accuracy through adherence to safety protocols and permit procedures.
- Gained practical experience in problem-solving and critical thinking by overcoming challenges in physically demanding tasks.
- Enhanced communication skills through coordinating with team members and understanding complex instructions.

Asda – Order Picker

2021 – 2022

- Demonstrated strong teamwork and communication skills, working with colleagues to keep on schedule.
- Thrived in a fast-paced environment, managing my time effectively.
- Maintained a high level of accuracy, ensuring correct products were selected and sorted into the correct container.

Projects

Maze Bounce – Android Game

- Designed, developed, tested and published on the Google Play Store independently.
- Utilises features from Google Play Games, Unity Games Services and more.
- Features thousands of randomly generated content.

CC-117 – Discord Bot

- Designed a program to read data from a public API and store the data into an SQLite database.
- Developed a Discord bot to read from the database and the API to display formatted information among various other features.
- Highly customisable, with unique configurations for every server.

Accessible Codenames – Android Game & Server

- Third year project for university.
- Recreation of the board game 'Codenames' for Android with a strong focus on accessibility.
- Includes a custom server to allow for devices to play together.