

**Ryan O'Neill****Contact information:**

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LinkedIn: [Ryan O'Neill](#)**Profile**

Creative and innovative problem solver with nearly four years of experience in software development. Proficient in C#, Java, and Python, with additional experience in SQL, Batch, C++, and Lua. I have developed various software solutions, including DLLs, scripts, and games. I excel both independently and as part of a team, with a strong passion for learning new skills. My long-term goal is to become a senior developer and lead my own team while pursuing a master's degree in computer science.

**Relevant Experience****2021 – 2025** Stryker Belfast, Associate Engineer.

- Developed and maintained software for defibrillator test systems in C# as part of the R&D team.
- Developed and maintained Python scripts used to improve efficiency and reduce workload on team by roughly 90%.
- Maintained calibration on all equipment for R&D and kept track of the inventory of equipment.
- Created and maintained both old and new documentation on the software and hardware I have worked on.
- Developed and maintained unit tests for all DLL's I worked on and did the same with a team for the overall software in test systems.
- Worked on and wrote code for Arduino controlled motors.
- Wrote batch scripts to help automate various processes, such as installation of custom software

**2025 – Present** Graham Group, Systems Analyst.

- Developed web apps for use in house using Bootstrap, Kendo UI and ASP.NET core and deployed to Azure.
- Developed Web APIs for use in web apps using ASP.NET core
- Worked on databases using Microsoft SQL Server.
- Used Azure DevOps and Hornbill to track, develop and maintain web apps

**Achievements****2019** Datathon (Hackathon)

- Our team created a program to view the data and make future predictions using machine learning AI. And we were able to achieve an accuracy of up to 70%

**2023** Spooky 2D game jam**2025** Devs that Jam game jam

- Led a team to create a game in unity, placing top 10 overall and #4 in functionality
- Link to game: <https://aaa-3xa.itch.io/extended-execution>

## Education

### 2012/2019 Enniskillen Royal Grammar School

A Level: B, C, D.

G.C.S.E: C, B, C, B, B, A, A, A.

### Ulster university, Magee campus, Derry:

#### Classification: 1<sup>st</sup> class honours degree in computer science, 2023.

Worked on a variety of projects and modules. Notable examples include but not limited to: Creating a custom mobile application for android. Group and individual project work involving C++, SQL, Java, HTML, CSS, C#, Python and more. Worked on computer networking and cybersecurity. Averaged a 1<sup>st</sup> in almost all modules.

## Skills Profile

### Technical skills

#### Programming

- C# - Advanced: Developed games in unity in and DLLs for Stryker
- Python – Advanced: Developed scripts for Stryker, and personal projects.
- Java – Intermediate
- Lua – Intermediate
- Batch – Basic
- C++ - Basic

#### Database and Version control

- SQL – Basic

#### Web Development

- HTML - intermediate
- JavaScript - intermediate
- CSS – intermediate
- Flask – Basic

#### Hardware and electronics

- Soldering – Intermediate
- PCB assembly – Intermediate

- Git – Intermediate

### Transferrable skills

Over the years I have developed several transferrable skills. My communication is very good as I have been the presenter for most of my group projects in and outside of university.

My teamwork skills are excellent as I have worked with many teams across group projects and work alike and have even led many teams successfully in many of my personal projects.

As programming is my passion, my problem solving, and critical thinking skills are great. With many projects under my belt, I've become proficient in coming up with innovative solutions to issues.

Because I have been working in the R&D department for 4 years now, I have become very flexible in my work. I am now equally proficient in working with both hardware and software.

Throughout my time at Stryker, Graham and in education, I've become no stranger to the ins and outs of documentation. And I believe I can handle any sort of documentation thrown my way.

### Passions

I have a strong passion for programming and creative projects. I like to tinker with things, from soldering electronics to programming my own games. When I make something, I design it with a purpose. I have built a radio transmission thermometer for a car and repaired old gaming consoles. I enjoy making games and have made many in Unity.

I've also worked on projects at home using Raspberry PI's, such as a DNS sinkhole to block ads and trackers on websites and IOT devices.

Currently I'm working on a custom website using Flask and deploying using Heroku. I'm passionate and keen to learn about the software industry and the technologies shaping the industry today