

# > SCOTT DONALDSON

Phone 07341298229  
Email [scott-donaldson@outlook.com](mailto:scott-donaldson@outlook.com)  
Website <https://scrub-dev.com>  
LinkedIn <https://linkedin.com/in/scrub-dev/>

## SUMMARY

My main interests lie around software development and problem-solving (GCHQ challenge books were always a favourite). I am a big advocate for high-quality STEM Education and accessibility due to my background with ASD.

I have just completed my MSc in Advanced Computer Science at Northumbria University and looking to join the professional side of software development. I am passionate about software development and enjoy exploring niche problems and solving complex tasks. I would consider myself always aiming to be a high achiever, as evidenced by receiving multiple scholarships in my time in education and proudly achieving an 89 in my Master's Thesis. While still achieving this, I also ran alongside a British Computer Society recognised Student Computing Society which was nominated for Society of the Year.

## EDUCATION

Sep 22 – Feb 24	<b>MSc Advanced Computer Science</b> • Distinction Northumbria University Thesis Title: QRCade: Gamification of QR Codes in Exergames
Sep 19 – Sept 22	<b>BSc Computer Science</b> • First with Honours Northumbria University Thesis Title: Project Zeus: Live Moderation using Sentiment Analysis
Sept 17– Sept 19	<b>Ext Diploma Games Development</b> • Distinction* Distinction* Distinction* Newcastle College

### SCHOLARSHIPS

- Rutherford Scholarship • 2019
- Vice Chancellors Scholarship • 2022

### SOCIETIES

- Computer Society President (22/23)
- Computer Society President (21/22)
- Pool Society Secretary (21/22)

## AWARDS

Pride Action North Youth Achievement Award 2024

## RELEVANT EXPERIENCE

2021 – current	<b>Be: Trans Community and Support</b> • Trustee • Social and Technology Consultant <ul style="list-style-type: none"><li>• Managing a CRM</li><li>• Multi-platform Social Media management and engagement</li><li>• Graphics Design</li><li>• Safeguarding</li><li>• Implement new technology where necessary to keep the charity modernised and keep its members safe.</li></ul>
2014 – 2021	<b>UK Scouting Org</b> • Assistant Scout Leader <ul style="list-style-type: none"><li>• Health and Safety</li><li>• Teamwork / Leadership</li><li>• Safeguarding</li></ul>
2014 – 2014	<b>COBALT ICT</b> • Work Placement <ul style="list-style-type: none"><li>• Hardware Technical Support</li><li>• Software Technical Support</li><li>• Security Support (OSINT, OpSec, InfoSec)</li></ul>

## SKILLS

---

- |              |                |                   |                     |
|--------------|----------------|-------------------|---------------------|
| • Typescript | • REST         | • Linux           | • Health and Safety |
| • JavaScript | • OOP          | • CLI             | • Problem-Solving   |
| • Java       | • Functional   | • Version Control | • Teamwork          |
| • C#         | • Frontend     | • CI/CD           |                     |
| • PHP        | • Backend      | • OSINT           |                     |
| • Python     | • Unit Testing | • Office 365      |                     |
| • HTML       | • React        |                   |                     |
| • CSS        | • Node         |                   |                     |
| • SQL        | • Azure        |                   |                     |
|              | • C# .NET      |                   |                     |

## NOTABLE PROJECTS (Archive provided on the website)

---

- |              |  |
|--------------|--|
| DVSC         | Currently in active use in the automotive industry in the North East. Using a mixture of React/JS, PHP, Java and SQL. A full stack solution was developed for a client consisting of a Java Desktop Application Admin panel and a web client panel. This also allowed for emails to be sent to all clients regarding their latest requirements.  |
| QRCade       | Created as a platform for my master's thesis experiment, this project uses ExpressJS and React, both written in Typescript to create a full-stack application for exercise gaming. Working around a REST API between the front end and back end, this project provides a way for gamifying QR Codes.   |
| Project Zeus | Project Zeus was my undergraduate project and was accepted to be demonstrated at REVEAL 22. This project aimed at providing real-time feedback for automatic message moderation in online social spaces such as Discord. This tool, written in Node, used sentiment analysis to determine the “toxicity” of a message and either flag or remove it according to a space's moderation policy. |

References are available on request.