> SCOTT DONALDSON

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SUMMARY

I am a passionate postgraduate student from Northumbria University. Currently, I am just about to complete an MSc advanced Computer Science degree after completing a BSc Computer Science degree and achieving a Distinction. I would consider myself a high achiever and always aiming for the best as evidenced by both the Rutherford and Vice Chancellors scholarships in 2019 and 2022 respectively, as well as creating and being re-elected for president of the Northumbria Computing Society which later received British Computer Society (BCS) recognition.

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

EDUCATION

Sep 22 – Current (expected Feb 23)	**MSc Advanced Computer Science** • Predicted Distinction Northumbria University Thesis Title: QRCade: Gamification of QR Codes in Exergames
Sep 19 – Sept 22	**BSc Computer Science** • First with Honors Northumbria University Thesis Title: Project Zeus: Live Moderation using Sentiment Analysis
Sept 17– Sept 19	**Ext Diploma Games Development** • 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	Be: Trans Community and Support • Trustee • Social and Technology Consultant • Managing a CRM • Multi-platform Social Media management and engagement • Graphics Design • Safeguarding • Implement new technology where necessary to keep the charity modernised and keep its members safe.
2014 – 2021	UK Scouting Org • Assistant Scout Leader • Health and Safety • Teamwork / Leadership • Safeguarding
2014 – 2014	COBALT ICT • Work Placement • Hardware Technical Support • Software Technical Support • Security Support (OSINT, OpSec, InfoSec)

SKILLS

- Typescript
- JavaScript
- Java
- C#
- PHP
- Python
- HTML
- CSS
- SQL

- REST
- OOP
- Functional
- Frontend
- Backend
- Unit Testing
- React
- Node
- Azure
- C# .NET

- Linux
- CLI
- Version Control
- CI/CD
- OSINT
- Office 365

- Health and Safety
- Problem-Solving
- Teamwork

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.