

Daniel Coutts

E-Mail: d.coutts1@ncl.ac.uk

LinkedIn: uk.linkedin.com/dacoutts

GitHub: github.com/danielcoutts

Phone: 07460 663160

Address: 29 Deuchar St, Newcastle upon Tyne, Tyne and Wear NE2 1JX

Education and Qualifications

2014 – 2019 MComp Computer Science, Newcastle University, **86.2%** Year 1 average
Relevant Modules include: Software Engineering, Algorithm Design and Analysis, Database Technologies, Operating Systems, Computer Networks.

Key skills and experiences include:

- Proficient in **Java** programming.
- Good understanding of **Object Oriented Programming**.
- Experienced in relevant mathematics topics (e.g. algorithms, Boolean logic, calculus).
- Detailed knowledge of various computer architectures.
- Client-side website development skills including **HTML**, **CSS**, and **JavaScript**.
- Server-side web development skills including **PHP**.
- Experience with **Python**.
- Database technology experience including **MySQL**.
- Knowledge of professional software engineering practices.
- Taken on the role of **lead programmer** in my software engineering team project, developing important technical and leadership skills.
- Good understanding of various software development models.
- Experienced in **Android development**.
- Experience in **C/C++** through independent learning.
- Experience with **Git** and SVN version control systems.
- Knowledge and experience of various software development methodologies and formal testing practices.

2007 – 2014

St. Joseph's Catholic Academy

A Level: Mathematics (A*), Further Mathematics (A), Physics (A)

AS Level: German (B)

GCSE: 10 grades A*-A with Mathematics (A*) English (A*)

Related Experience

2016

Scott Logic Hackathon

- Participated in a one-day hackathon organised by bespoke software company Scott Logic.
- Developed an algorithm for buying and selling stocks on the stock market, and implemented it into a provided Java stock market model.
- Short time-frame illustrates my ability to work to a deadline under pressure.
- Demonstrates that I can work successfully in a software development team.

2015

Turnitin Hackathon

- Participated in a two-week hackathon for education company Turnitin.
- Worked in a team with 4 other students to produce a web application for adding annotations to videos.
- Presented our prototype application to hackathon organisers at the end of the two weeks in a formal presentation.
- We were the only team to present a working prototype, which demonstrates my enthusiasm and commitment to see projects through.

2012 – 2013

Age UK Inter-Generational Digital Inclusion Course

- Volunteered for Age UK.
- Taught computer literacy to elderly members of my community.

- Worked closely with multiple people during the course, and successfully taught them a variety of different skills.
- This shows my communication skills, in particular my ability to alter my language according to the background of who I am talking to.
- This would be helpful when working with people from non-technological backgrounds.

Awards and Achievements

Stanley Dennison Scholarship

- Awarded this scholarship by the University Endowed Prizes Committee.
- Identified as one of the best performing undergraduates in stage 1 examinations across all three university faculties.
- Praised for my high 86.2% average across all modules.

UKMT Senior Mathematics Challenge

- Achieved a silver certificate in the UKMT Senior Maths Challenge, demonstrating mathematical problem solving skills, as well as analytical thinking.
- These skills are an important asset for a programmer.

Additional Skills

German

- Studied German for four years, developed conversational proficiency, and written language skills.
- Required commitment to studies, motivation, and attention to detail.
- Following my AS Level in German I have been using popular online language-teaching app Duolingo to maintain my proficiency.

Performance

- At St. Joseph's Catholic Academy, I took part in six school productions.
- Was chosen for lead roles in several productions.
- These experiences increased my speaking confidence considerably.
- This was fundamental in developing my presentation skills.

Interests

Gaming

- I am a member of the Newcastle University gaming society, as it is a good way of meeting other computer science students.
- I have also built my own desktop PC for gaming and diagnosed numerous hardware issues.
- This was valuable experience, as it gave me a broader understanding of computer hardware.

Music

- Playing guitar for over seven years now.
- Performed in a Christmas band during my A Level studies.
- Completed music theory grades one and two and passed with distinction both times.
- I have also produced my own music compositions both for my GCSE Music qualification and in my spare time.

Sport

- I am a member of the table tennis club at university.
- After playing table tennis a lot when I was younger, I decided to join the club in order to work on my technique.
- I attend coaching sessions on weekends to improve my skills, and I also attend a weekly practice slot when my schedule allows it.

References available on request.