Daniel Mackle - CV

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# Current Modules Taken (w/ Marks so far)

**Computer Science Challenges - CSC1028**

Ongoing – Very competitive optional module (only 9 of us from a pathway of over 400). Working independently on a personal, never-done before project using new technology. The end goal is making useful resources to assist the projects of others.

**Introduction to Computer Architecture - CSC1033 – 90%**

Covers ARM programming, computer architecture and low-level optimisation techniques.

**Object Orientated Programming - CSC1029 – 85%**

Covers UML design and Java OOP programming by building text-based and visual-based UIs.

**Fundamentals of Maths for Computing - CSC1026 – 82%**

Covers arithmetic, algebra, set theory and graph theory.

**Introduction to Cyber Security - CSC1032 – Not yet marked**

Ongoing – Covers relevant laws, encryption/decryption, social engineering and prevention.

**Databases - CSC1023 – Not yet Marked**

Ongoing – Covers UML, normalisation and database design.

# Previous Academic Achievements

A-Level Software Systems Development A\*

A-Level Physics A

A-Level Biology A\*

AS-Level Software Systems Development A

AS-Level Physics A

AS-Level Biology A

AS-Level French C

10 GCSEs including Maths(A) and English Language\*B)

# Extracurricular Skills

CyberFirst NI Ambassador

* With QUB and the NI Cyber Security Centre, I am speaking alongside other CyberFirst Ambassadors to give talks about the state of the growing cybersecurity industry in the NI.
* I am networking with new people and placing myself into the industry which I intend to work later on in life.

Speech and Drama ALCM

* I have completed 8 grades of Speech and Drama, completing all but one at the Distinction grade.
* I then completed the Diploma of Performance as of 2022.
* Covers poetry, prose, drama, theory and improvisation.
* This shows that I have no problem whatsoever in thriving among a working, communicating group of people.

Microsoft Office Master/Specialist

* I have earned: (as of 2022)
  + The Certificate of Mastery of Microsoft Word.
  + The Certificate of Mastery of Microsoft PowerPoint.
  + The Certificate of Specialist in Microsoft Excel.
* Covers knowledge of useful functions and quality of work with these programs.
* This displays my proficiency with these important programs to a level above the normal person, offering me higher productivity.

ChildNet Digital Champions

* I have completed the ChildNet Digital Champions course, where I spoke in front of my school multiple times, to teach younger people more nuanced tips and tricks to help them to remain safe online, and protect themselves from bad influences.
* I have received a certificate in proof of this.

# Work Experience

In the summer of 2023, I shadowed workers in Almac’s software development team for three days, applying and building my knowledge of business-orientated IT.

In the same summer, I was accepted to Kainos CodeCamp 2023, where I completed coding challenges in teams for five days in QUB’s Computer Science Building.