Sean Carlin

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EDUCATION

The University of Manchester   Manchester, England
Bachelor of Science in Mathematics   *Sep 2018 - Jun 2021*

- Received the Entrance Scholarship and Faculty Scholarship for outstanding academic achievement at school.
- Committee member of the MUTIS Finance Society. Responsible for developing and presenting a course on the fundamentals of algorithmic trading for the 19/20 academic year.

Our Lady & St. Patrick's College   Belfast, Northern Ireland
Advanced Level, Advanced Subsidiary Level, GCSE   *Sep 2011 - Jun 2018*

- A-Level: Mathematics A*, Physics A*, Further Mathematics A.
- AS-Level: Software Systems Development A (best in school).
- GCSE: 6A*s, 4As, 1B (best in school in Mathematics).
- Founded and chaired an after school programming club to teach younger students coding skills.

EXPERIENCE

The Tutor Trust   Manchester, England
GCSE Mathematics Tutor   *Jan 2019 - May 2019*

- Tutored four year 11 students at Trinity High School on a fortnightly basis.
- Delivered personal tutoring to each individual student on topics which suit their needs.
- Used a range of teaching methods to deliver lessons on, algebra, trigonometry, and graphing, among others.

Morgan Stanley   Glasgow, Scotland
Technology Spring Insight Intern   *Apr 2019 - Apr 2019*

- Experienced how Morgan Stanley use the Scrum Agile framework to update their products on a two week sprint cycle.
- Gained appreciation of the importance of cyber security at Morgan Stanley and how they approach protecting their data and assets from phishing attacks.
- Discovered the work of Morgan Stanley's Innovation Program and how they're using new tools like photonic encryption to secure their data.

Oracle   Belfast, Northern Ireland
Insight Week Intern   *Jan 2017 - Jan 2017*

- Experienced how Oracle use the Agile development model to rapidly build and publish their Cloud e-commerce product. Attended daily stand-up meetings with the Cloud development team.
- Gained understanding of how Oracle use data analysis to improve their products.
- Improved my interpersonal skills through meetings with senior staff and discussed Oracle's long term goal to transition from their On-Premises product to their Cloud e-commerce product.

Logicearth Learning Services   Belfast, Northern Ireland
Summer Intern   *Jun 2016 - Jun 2016*

- Assisted in the development an e-learning course for the Bank of New York Mellon.
- Responsible for adding audio functionality to that course using Audacity, JQuery, and Adobe Edge Animate.

PROJECTS

- Programming projects posted on personal website. These include John Conway's Game of Life and Ulam's Spiral. Mainly developed in JavaScript through the HTML5 Canvas API.
- Finalist in the 2016 Kainos Code Camp competition for developing an app which allowed users to send messages in Morse code.

SKILLS & INTERESTS

- **Technical Skills**: Proficient in Microsoft Office, JavaScript, and Python. Learning Java and MATLAB.
- **Interests**: Squash, cycling, chess, and travelling.