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## Education

**Trinity College Dublin:** Computer Science and Business (Currently averaging 1.1)  
**Belvedere College S.J:** Irish Leaving Cert: 601 Points (Top 3% nationally)

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## Work Experience

### **NOCO IQ – Software Engineer** (01/2024 – Present)

- Data collection and database management for client outreach
  - Cleaned and organised data from 90,000+ companies which delivered a greater sales reach and an 11% increased engagement with clients
- Prompt engineering and management of generative AI for interacting with clients
  - Integrated generative AI into automated workflows which increased the rate of client outreach to 250+ messages and responses per week

### **CITI Bank – Backend Software Engineering Intern** (06/2024 – 08/2024)

- Integration and regression Testing
  - Designed and implemented integration and regression tests for over 40 APIs used by 15 distinct services.
- API Enhancement and Bug Fixes
  - Resolved bugs for internal and external APIs as well as enhancing API functionality and performance using Java and tested all changes using postman

### **Pico Quantitative Trading LLC – Backend Engineer** (01/2023 – 04/2023)

- Developed system infrastructure and product functionality for a simulated paper trading exchange
  - Implemented a financial information exchange (fix) protocol using C which acted as the base of our backend and allowed for trading-specific messages to be encoded and decoded
  - Implemented a stock ticker tracker for live updates on specific stock prices for a more authentic user experience
- Acted as scrum master and co-ordinated weekly scrum meetings

## Leadership Experience

### **Bounce Insights – Team lead** (01/2024 – 05/2024)

- Led a team of 11 people to create an AI chatbot that analysed datasets of up to 1000 surveys.
  - Allowed companies to extract data on a user specified demographic to inform marketing and business decisions
- Team management
  - Managed 6 people and helped them with C++ code, GitHub and technical issues they had setting up software
  - Worked with Bounce Insights and organised weekly meetings to ensure clear communication as well as discuss ideas to allow us to hit targets

### **Trinity School of Computer Science – Module Demonstrator** (09/2023 – 05/2024)

- Assisted in teaching machine language, specifically ARM assembly language, to 200+ students in tutorials as well as grading assignments and offering technical support for projects

### **Trinity Student Managed Fund – Senior Investment Analyst** (05/2023 – 04/2024)

- Lead weekly finance and real estate investment classes for 30 students.
- Judged stock pitching competitions and provided monthly market evaluations to inform decisions on stock acquisitions or liquidations relevant to our sector portfolio

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## Skills

- Experienced in React and NodeJS for frontend and backend coding as well as JavaScript, Java, and Python programming
- Proficient at database management including populating tables, SQL coding, and organising data using database systems such as HubSpot and Airtable
- Experienced in using Zapier for automated workflows

## Achievements

- Represented Ireland in the 2020 Western Model European Parliament in Luxembourg, co-writing a resolution that passed in General Assembly
- On the national senior Irish school's cross country winning team
- Qualified dinghy sailing instructor in Ireland and the UK having taught in the Isle of Man and Ireland