

# Daniel O'Shea

 [REDACTED], Ireland

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 <https://www.linkedin.com/in/danielos>

 <https://www.danieloshea.ie>

## EDUCATION

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### 2016 – 2020 **B.Sc. in Financial Mathematics**

University of Limerick

- I developed the mathematical grounding behind risk analysis, quantitative analysis, data analysis as well as my computational and analytical skills.
- Also learned about trading, asset management and risk analysis of complicated financial products while at the same time developing solid mathematical skills.
- Earned a 1.1 First Class Honours QCA (3.56/4).
- Final year project involved mathematical modelling with Hawkes processes.

### 2010 – 2016 **Leaving Certificate**

Castlecomer Community School

- Awarded the Castlecomer Community School Vocational Award in sixth year.
- Earned the bronze Gaisce Award.
- Sat all leaving cert subjects at higher level and received 5 honours level grades.

## WORK EXPERIENCE

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### Jan 2021 – Present **Analyst - Retirement Actuarial**

WTW (formerly Willis Towers Watson),  
Willis Towers Watson House, Elm Park Business Campus, Merrion Rd, Dublin 4.

- Responsibilities involve contributing key calculations feeding into complex project work such as funding valuations, accounting valuations, and other liability project management projects.
- Developing calculation tools for client teams to use in calculating retirement benefits.
- Training junior colleagues and managing their deliverables on long term projects.
- Working directly with clients and key contacts to deliver day-to-day-services.

### Jan 2019 – Aug 2019 & Jun 2020 – Dec 2020 **Oversight Associate Intern**

Carne Group  
Danville Business Park, Ring Road, Kilkenny.

- Liaised with delegates of funds to cover all regulatory and reporting requirements, scrutinising irregularities and possible breaches of agreements and regulations.
- Drafted Oversight Reports and presented these to the fund's Board of Directors.
- Developed and maintained an automated system of Net Asset Value readers.
- Configured Carne's internal website and database to improve its functionality and efficiency.

### May 2018 – Sep 2018 **Relief Milker**

Michael Power Farms,  
Graine, Urlingford, Co. Kilkenny.

- Independently managed and milked over 140 cows.
- Worked with high-end machinery and equipment while dealing with the complications that arise with this type of work.

## SKILLS

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- Communication Skills** I regularly present reports at trustee meetings while taking accurate minutes. I train junior colleagues in on complex tasks both in person and on MS Team, this can be one-on-one or to a larger group. I typically follow this training up with a detailed email reiterating the broad steps involved and providing links to data and tools. I attend meetings with clients and their key contacts to advise on the progress of different ongoing projects. During my internship I would have calls with international clients where I would advise on the specifics of setting up an automated delivery of NAV data into our system.
- Team Work** In my current role, I work on clients teams of 3-6 out of a wider team of c80 actuaries. Balancing the demands of senior colleagues with managing deliverables from junior colleagues involves constant team organisation as well as communication across teams. I host team catch up meetings where we discuss open projects and upcoming deliverable deadlines. I tend to take on the role of team coordinator as I prefer to reset the team at regular intervals providing updates on the project and laying out the next steps to keep the team in sync. I have further experience in training, as during my internship I would give two one-hour training sessions per week to new recruits.
- Problem Solving and Analytics** I enjoy analysing systems and processes and seeing what can be changed to improve efficiency. I developed my own task management system for organising ongoing projects across teams with quick access to a summary to update the team. The work I did on NAV readers and system configuration was pure problem solving, it revolved around gathering information, analysing what you have, noticing trends, identifying problems, developing solutions and implementing fixes.
- Projects** For my final year project I am investigating the application of Hawkes processes to model equity price data. I built and host my own website. I partly use this website to detail other projects I've worked on.

## ADDITIONAL INFORMATION

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- Achievements** Passed 5 IFoA examinations.  
Completed the Bloomberg Market Concepts course (2020).  
Completed all 7 modules of the ECDL.  
Won the 2007 Credit Union Schools Quiz.  
I hold a full clean drivers licence.
- Interests** I enjoy exercise and sport, I play soccer and hike regularly.  
I'm very interested in cooking, music and technology.  
I enjoy taking on fun projects and following my interests wherever they take me, I often explore this on my website. ([www.danieloshea.ie](http://www.danieloshea.ie))
- Additional Skills**
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| MATLAB               | Proficient |
| R Studio             | Proficient |
| SPSS                 | Proficient |
| Microsoft Excel      | Proficient |
| Microsoft Word       | Proficient |
| Customer Service     | Proficient |
| Java Programming     | Basic      |
| Microsoft PowerPoint | Basic      |
- References** Available upon request.