CIAN HAMILTON

Researcher

🌐 cianhamilton.eu
📍 Berlin, Germany
✉ cianhammo@gmail.com
in LinkedIn

SUMMARY

I have gained research skills from my university education (research masters in physics), work experience (currently working as a research analyst for a plant-based meat startup), and through my volunteering (research assistant volunteer with the Shrimp Welfare Project).

RELEVANT EXPERTISE

Skills: Quantitative research, summarising information, sifting through academic literature, building models

Programming: Python, Excel, Linux terminal

EDUCATION

10/2019 04/2022	**Master's degree**	**Free University Berlin**

- Including a year-long masters thesis in the field of classical and quantum chaos at the Fritz-Haber Institute of the Max Plank Society, Berlin
- Completed courses in statistics and machine learning
- Average grade of 1.7 in the German system (equivalent to an A-)

09/2016 07/2019	**Bachelor's degree**	**University of Groningen**

- Thesis on Non-Relativistic Supersymmetry, with Professor Eric Bergshoeff
- Average grade of 8/10

01/2019 02/2019	**University Internship**	**University of Barcelona**

- Assisted the group on simulating molecular dynamics

09/2018 12/2018	**Bachelor's Erasmus**	**University of Helsinki**

- Due to the limited number of bachelors courses in English, I mostly took masters courses in mathematics

WORK EXPERIENCE

08/2022 4 days/week 11/2023 2 days/week current	**Research Analyst**	**Project Eaden**

- I started as the first employee at the company (there are now more than 20 of us). As the company's generalist I have gained a lot of hands-on experience in many different areas of the business including:
  - Research: Responsible for searching through academic papers and patents to advise the product team on prioritsation of ingredients and techniques to test
  - Engineering: Helping the process engineers maintain the existing machines, and develop new ones
  - Lab work: Running series of experiments to optimise the ingredients and processes for the product
  - Writing a patent: Working on the strategic prioritisation of patentable ideas to identify and pursue the most impactful patent for submission within the current quarter, including drafting and filing processes

10/2023 12/2023	**Freelance Researcher**	**Link to report**

- I co-authored a report with the Welfare Footprint team discussing a weighting system between pain intensities for the Cumulative Pain Framework

07/2022 08/2023	**Volunteer Researcher**	**Shrimp Welfare Project**

- Assisted the head researcher on economic models (collating relevant academic papers, summarising, and analysing data)
- Ran my own project on structuring a framework to help prioritise interventions to maximise shrimp welfare

11/2020 07/2022	**IT Support Technician**	**Free University Berlin**

- Linux and Windows support for university staff and students
- Responsible for maintaining and installing server hardware

09/2017 06/2019	**Tutorial assistant**	**University of Groningen**

- Conducted tutorials, oversaw labs, mentored students

ADDITIONAL ACHIEVEMENTS

11/2023 current	**Upskilling**	

- I reduced my hours at the alt-protein startup in order to spend more time improving my skills required to excel as an animal welfare researcher, specifically in statistics, economics, and data-visualisation.

03/2022	**Scientific paper**	**Link to paper**

- I am the main author of an academic article in the field of quantum chaos.

09/2021	**Conference talk**	

- I presented a talk at the scientific conference SAMOP21 on my research in quantum chaos.