CIAN HAMILTON

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in LinkedIn

PROFESSIONAL SUMMARY

Results-driven researcher with a Master's in Physics and 2+ years of research experience in a startup environment. Extensive experience in qualitative and quantitative research, data analysis, and operations. Proven ability to translate technical insights into actionable recommendations that influence product direction and R&D strategy. Seeking to leverage analytical skills and startup experience in a challenging role.

TECHNICAL SKILLS

Data Science: Data analysis, data visualization, statistical modeling

Programming: Python (NumPy, Pandas, Pytorch, MatPlotLib), SQL, Excel, Linux terminal

Soft Skills: Critical thinking, qualitative research, problem-solving, communication, team collaboration.

PROFESSIONAL EXPERIENCE

08/2022 current — **Research Analyst** — **Project Eaden**
- Contributed to multiple areas of the business as the company's first employee, scaling from 1 to over 20 team members.
  - **Research:** Conducted pivotal research that led to a major change in the company's product formulation and overall direction. Responsible for presenting findings to leadership team.
  - **Intellectual Propertyright:** Delivered on patent strategy including writing and filing a patent, and conducting a Freedom to Operate analysis, which boosted investor interest in our next funding round.

10/2023 12/2023 — **Freelance Researcher** — **Welfare Footprint**
- Co-authored a report, utilizing both quantitative and qualitative research.

11/2020 07/2022 — **IT Support Technician** — **Free University Berlin**
- Client facing Linux and Windows support for university staff and students.

09/2017 06/2019 — **Teaching Assistant** — **University of Groningen**
- Teaching assistant, oversaw labs, mentored students. I received the most recommendations of any other tutorial assistant in the department that semester.

EDUCATION

2019 2022 — **Research Master's in Theoretical Physics** — **Free University Berlin**
- Year-long masters thesis in the field of classical and quantum chaos at the Max Plank Society
- Focus on complex systems analysis and mathematical modeling

2016 2019 — **Bachelor's of Science in Theoretical Physics** — **University of Groningen**
- Thesis on Non-Relativistic Supersymmetry
- Emphasis on quantitative analysis and problem-solving

PROFESSIONAL DEVELOPMENT

2024 — **Statistics with Python** — **Coursera**
- Completed 40 hour online course: The Power of Statistics by Google. Final grade of 93%

2024 — **Self-study with Textbooks (studied cover to cover)**
- Mathematical Statistics with Applications, by D. Wackerly
- Modern Principles of Economics, by T. Cowen and A. Tabarrok.
- Storytelling with Data: A Data Visualization Guide for Business Professionals, by C.N. Knaflic
- Learning SQL by Alan Beaulieu

ADDITIONAL ACHIEVEMENTS AND INTERESTS

03/2022 — **Scientific paper** — **Link to paper**
- Main author of an academic article in the field of quantum chaos. I presented this work at the scientific conference SAMOP21.

07/2022 08/2023 — **Volunteer Research Analyst Work for a Non-Profit** — **SWP**
- Assisted economic modeling (collating relevant academic papers, summarizing, and analyzing data).
- Ran project on building a framework to help prioritize cost-effective interventions.

Other Interests
- Sailing (ex-sailing instructor), ultramarathon running, ultimate frisbee, classic novels, and math puzzles.