

Remco Alexander Scheepmaker

Orlando, FL

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Professional Experience

Gen AI and Physics Lead Specialist (Dutch bilingual), *Innodata – Remote* Jan 2025 – present

- Provide guidance, establish best practices, and drive continuous improvement for the company's LLM data services as a member of the Center of Excellence team
- Apply physics and mathematics expertise to evaluate and refine AI models
- Design and execute experimental projects for innovative AI applications and high-tech clients
- Create and audit guidelines and training data for LLMs to improve model accuracy, fluency, and voice
- Partner with QA, red teams, data scientists, linguists, and software engineers to deliver high-quality RLHF and AI safety data

Graduate Research Assistant, *University of Central Florida* May 2023 – Aug 2024

- Assisted faculty at the Department of Economics with Decision Theory course material
- Mentored students and compiled review materials on coding in R, microeconomics, and statistical analysis using GitHub websites

Scientist, *SRON Space Research Organisation Netherlands – The Netherlands* Aug 2009 – Aug 2015

- Developed a new geospatial climate data product for the TROPOMI satellite instrument
- Coded satellite retrieval algorithms in C++, Python, and Fortran that measure atmospheric methane and water isotopes from backscattered sunlight
- Conducted data analysis and simulations for satellites using Python, IDL, and Linux Shell Scripts
- Created data pipelines for the delivery of atmospheric datasets to the scientific community
- Wrote technical documents and three first-author [publications \(link\)](#) using $\text{\LaTeX}$

Education

MS in Business Analytics (GPA: 4.0), *University of Central Florida* Aug 2023 – Aug 2024

- Coursework: Advanced Analytics, Machine Learning, Probability & Statistics, Data Visualization, Microeconomics, Decision Theory
- Capstone Project: *Selecting the Optimal Credit Card Portfolio* ([GitHub](#)) – developed optimization algorithms, Monte Carlo simulations, and an interactive [web app \(link\)](#) in R to model systems of rewards credit cards, accounting for personal preferences and consumer data on spending patterns
- Skills: Coding in R and Python, Machine Learning algorithms, SAS Programming, SQL, ETL, Tableau, Power BI, R Shiny, Linux, Shell Scripts, Git, $\text{\LaTeX}$, Advanced Mathematics (Linear Algebra, Calculus)

Ph.D. in Astrophysics, *Utrecht University, The Netherlands* Jan 2005 – Jun 2009

- Analyzed Hubble Space Telescope data of the Whirlpool galaxy, to study star formation and the infant mortality rate of star clusters ([link to Ph.D. thesis](#))
- Developed scientific models and algorithms to extract novel insights from large astronomical datasets
- Took ownership of projects, ensuring successful planning and execution of four research papers
- Skills: Data Science, Data Wrangling, Modeling and Simulations, Analytical Thinking, Scientific Coding and Article Writing, Physics

Additional Experience

Online Courses & Projects, *Santa Cruz, CA & Orlando, FL*

2018 – 2022

- Broadened Data Science skills with Coursera, edX, and Kaggle courses, while relocating twice across the US
- Coursework: Deep Learning, Machine Learning, Neural Networks, Scikit-learn, Python Pandas, Statistics, SQL
- Programmed a retirement simulator in Python Notebooks and presented it on my personal finance [blog](#)
- Built data analysis tools and dashboards in Tableau and Google Sheets to manage investment portfolios

Public Program Specialist, *Kitt Peak National Observatory – Tucson, AZ*

Oct 2016 – Sep 2017

- Led a team of tour guides performing public outreach at one the largest astronomical observatories in the world
- Managed nightly telescope observing programs with responsibility for groups of 60 clients on a remote mountain top
- Presented stargazing shows and explained complex science and technical concepts to non-technical audiences