Remco Alexander Scheepmaker

Orlando, FL

linkedin.com/in/remcoscheepmaker | github.com/RAScheepmaker

Education

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

- Coursework: Advanced Analytics, Probability & Statistics, Data Visualization, Microeconomics, Decision Theory
- Skills: R, Python, SAS Programming, SQL, ETL, Tableau, Power BI, Machine Learning, Shiny, Linux, Shell Scripts, Git, LaTeX, Mathematics (Linear Algebra, Calculus)

Ph.D. in Astrophysics (link to Ph.D. thesis), *Utrecht University, The Netherlands* Jan 2005 – Jun 2009

- Developed models, methods and algorithms to extract novel insights from large astronomical datasets
- Took ownership of projects, ensuring successful planning, budgeting and execution of four research papers
- Skills: Data Science, Data Wrangling, Modeling and Simulations, Scientific Coding and Article Writing, Physics

Capstone Project

University of Central Florida, *Selecting the Optimal Credit Card Portfolio* (GitHub) May 2024 – Jul 2024

- Developed algorithms, Monte Carlo simulations and an interactive web app (link) in R to model optimal portfolios of rewards credit cards, accounting for personal preferences and using data on spending patterns

Professional Experience

Generative AI and Language Specialist (Dutch bilingual), *Innodata – Remote* Jan 2025 – Feb 2026

- Created and audited training data for generative AI/LLMs to improve their accuracy, fluency, and voice
- Collaborated with fast-paced, agile teams of data scientists, linguists and software engineers to refine AI models and help them align with human values

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

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

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

- Developed a new geospatial climate data product for the TROPOMI satellite instrument, as part of a team of instrument scientists and software engineers
- Coded retrieval algorithms in C++, Python, and Fortran to measure atmospheric methane and water isotopes from backscattered sunlight in space
- Conducted exploratory data analysis and measurement simulations using Python, IDL, and Linux Shell Scripts
- Built and maintained data pipelines for the delivery of atmospheric datasets to the scientific community
- Wrote technical documents and three first-author publications (link) using LaTeX

Additional Experience

Online Courses & Projects, *Santa Cruz, CA & Orlando, FL* 2018 – 2022

- Broadened my 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 using Python Notebooks and presented it on my personal finance blog
- Built data analysis tools and dashboards using Tableau and Google Sheets to manage investment portfolios

Public Program Specialist, *Kitt Peak National Observatory – Tucson, AZ* Oct 2016 – Sep 2017

- Managed nightly observing programs, being responsible for groups of 60 clients on a remote mountain top
- Presented stargazing shows and explained complex science and technical concepts to non-technical audiences