DANIEL VISSER

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WORK EXPERIENCE

Data Scientist | Fluro | London, UK 07/2022 - 08/2023

- Built and refined a stochastic model in Python to predict the evolution of Fluro's portfolio. The work was a critical piece in determining Fluro's funding agreements.
- Worked with cross-functional teams to build and maintain data pipelines. The pipelines were built using Python and SQL (Snowflake and PostgreSQL), and ran on Fluro's AWS server.
- Developed applications that automated routine reporting for Fluro's Finance and Compliance team by integrating with APIs.
- Owned and improved the Portfolio Management team's month-end reporting suite (Tableau), presenting compelling stories to C-suite stakeholders.
- Collaborated with Git and maintained CI pipelines with Jenkins.

Python Developer | Self-Employed | London, UK 10/2021 - 06/2022

- Scraped Twitter text data, conducted sentiment analysis, and integrated with trading datasets to produce analytics.
- Designed a performant PostgreSQL schema and built ETL tooling to hydrate tables.
- Conducted data preprocessing, including normalization, feature scaling, and sequence padding, to prepare input data for an RNN price prediction model.
- Collaborated with business and engineering teams to shape and refine the front-end development, ensuring it met user requirements.

University Physics Tutor | University of Bristol | Bristol, UK 06/2019 - 06/2020

- Organised and ran weekly classes for 2^{nd}-year Physics students, effectively communicating challenging material, while being a reliable and friendly student leader.

Assistant Manager | The King & Queen, Hamble | Southampton, UK 10/2017 - 09/2019

- Managing a team that were winners of, The Best Bar Team - London and the South - Great British Pub Awards, and The World's Best Yachting Bar - Scuttlebutt and Wight Vodka.

EDUCATION

University of Southampton 09/2020 - 09/2021

Sustainable Energy Technologies (MSc) - distinction

- Thesis: 'Optical and Electical Modelling of Perovskite Solar Cells' (74%)

University of Bristol 09/2017 - 07/2020

Physics (BSc) - first class honours

- Thesis: 'Modelling The Correspondence Principle in Quantum Mechanics' (73%)

TECH STACK & TOOLS

- Programming: Python, SQL
- Libraries: Pandas, NumPy, PyTest, scikit-learn, PyTorch, NLTK
- Databases: PostgreSQL, Snowflake
- Viz Tools: Tableau, Plotly, Seaborn, Matplotlib
- Cloud computing: AWS
- Version control: Git, GitHub
- Continuous integration: Jenkins
- Workflow: Jira, Wiki

ADDITIONAL COURSES

Udemy: Python for Data Science & Machine Learning Bootcamp (from linear regression to deep learning)
The Wharton School: Fundamentals of Quantitative Modelling

NON-ACADEMIC INTERESTS & ACHIEVEMENTS

- I am a keen endurance athlete and have completed multiple self-supported cycle tours, including a tour of over 2000km across Western Europe.
- I play many sports, including tennis, rugby, football, and golf. At school, I was 1st XV rugby captain for 2 years, and represented Surrey at javelin.
- I take great pleasure in reading, writing, sculpture, pottery, and furniture making.

References available upon request.