William Grant, PhD

Data Scientist, Meemo.ai

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Summary

As the first data hire for Meemo, a data-focused fintech startup, I have been responsible for end-to-end data science efforts, from creating ETL pipelines and automated data testing, commissioning and implementing a Looker instance for dashboarding, through to experimental design, hypothesis testing and DS-based product implementation.

Experience

Full-time

April 2020 - **Data Scientist, meemo.ai**
I was initially brought into the company to work on user behaviour fingerprinting, clustering, and string classification problems. My role quickly expanded until I was working on all aspects of the data ecosystem. Using the Python data stack and SQL, assisted by my direct report, I have built models both for internal company use (analysing growth channels, monitoring data quality, testing notification efficacy) as well as for direct use in the product (a consumer fintech app for PFM, gift giving, and financial insight).

Internships/placements

Summer 2018 **Data Science Internship, Bell Labs UK**
Python, Pandas/Numpy/Sklearn, Network Analysis

Summer 2016 **Data Visualisation Consultancy, University of Cambridge**
Javascript, Django, D3.js

Summer 2014 **Software Engineering Internship, HMG**
Java, Hadoop (MapReduce), Cloud Analytics

Summer 2013 **Software Engineering Internship, BAE Systems Detica**
QA, Java

Education

2016-2019 **PhD in Physics, University of Cambridge**
Title: 'Network modularity and local environment similarity as descriptors of protein structure'
Output: 1 Conference Prize, 2 Papers, 4 Conference Presentations, 8 Posters

2016 **MPhil in Scientific Computing, University of Cambridge**
Funded by the Centre for Doctoral Training in Computational Methods
Class: Distinction

2015 **Part III (MSci) in Physics, University of Cambridge**
Specialisation: Quantum Field Theory and Quantum Condensed Matter
Master's Thesis Title: C++ Modelling of Explosive Epidemics
Class I & Senior Scholar, Trinity College

2014 **BA in Natural Sciences, University of Cambridge**
Class I & Junior Scholar, Trinity College

Extras

Winner of the Quantum Black ML Challenge, HackCambridge 2017 — Organising committee, Complex Networks 2018 — Supervisor (small-group TA) for Part IA (first year) Physics 2017 — Supervisor for Part II (third year) Advanced Quantum Physics and Quantum Condensed Matter 2016 — Co-chair of the Biological and Statistical Physics Discussion Group, 2016-2020 — Theory of Condensed Matter Group SysAdmin, 2016-2020 — Half Blue, Judo — Full Blue, Water Polo.