William Grant, PhD

Data Scientist, Coinbase

San Francisco, CA — E: hello@wpg.io — M: +1 628 867 9587 — W: wpg.io — LI: williamgrant

Summary

I'm an end-to-end data scientist, with experience in all aspects of the modern data science/ML pipeline as the sole data scientist at Meemo. This ranges from ETL and infrastructure work, through to dashboard development and modelling. In addition, my PhD in community detection on networks gives me a focus on graph algorithms and network analysis, which I hope to apply to the burgeoning crypto ecosystem as part of my new role at Coinbase.

Experience

Full-time

June 2021 - **Data Scientist, Coinbase**
I'm currently involved in the design and prototyping of what will become the central project undertaken by the Meemo team (details currently confidential).

April 2020 - June 2021 **Data Scientist, Meemo**
As the first data hire for Meemo, a data-focused fintech startup, I was responsible for end-to-end data science efforts, from creating ETL pipelines and automated data testing, to commissioning and implementing a Looker instance for dashboarding, through to experimental design and hypothesis testing. I built models both for internal company use (analysing growth channels, monitoring data quality, testing notification efficacy) and for use in the product, using the Python/SQL data science stack. The startup was ultimately acqui-hired by Coinbase.

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.