Matthew Hiscocks

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Education

Bsc. Mathematics and Economics   09/2017 – 07/2020
London School of Economics and Political Science
  ▸ Achieved a First with a final year average of 81%
  ▸ Courses in Mathematics, Statistics, Economics and Computing

A - Levels   08/2014 - 06/2016
Wyggeston and Queen Elizabeth 1st College
  ▸ A Level Mathematics (A*), Further Mathematics (A*), Physics (A)

Experience

Machine Learning Engineer at Kubrick Group   09/2020 - Current

▸ **16-week training course**

  ▸ Python, SQL, Pyspark, Linux, machine learning, cloud, DevOps

▸ **Consulting at Lloyds Banking Group**

  ▸ Developed a data pipeline using Spark and Hadoop for Mortgages domain

  ▸ Currently building an automated data controls framework on GCP, using Kubernetes Engine (microservices written in Python and Java), Dataflow, Pub/Sub, DBT, Helm and Docker

  ▸ Delivered training materials for other colleagues:

    ▸ Spark performance tuning for a team in Risk Division, reducing their runtime from 18 hours to under 1 hour

    ▸ Attention Based Language modelling in Deep Learning Guild

    ▸ Graduate training in Distributed Computing (Hadoop and Spark)

Intern Economist at Jacobs   06/2019 – 09/2019

▸ Completed 10 weeks within the Economics and Business Advisory team

▸ Conducted a study forecasting the demand of a proposed tram network using Excel, ArcGIS and statistical analysis.

Waiter at The Hospitality Company   09/2017 – 10/2019
▸ Interacting with clients on a professional level
▸ Managing teams under strict time pressure in a fast-paced environment

Interests and Personal Projects

▸ **Interests:** surfing, chess (top 1% on chess.com), microcontrollers and reading.

▸ **Personal Coding Projects:**

  ▸ Cycling Navigation App (Python)
  ▸ Mandelbrot fractal renderer (C++)
  ▸ Chess engine (Python)
  ▸ Quadcopter drone (C++ on Arduino)
  ▸ ML Trump Tweet Generator (Python)
  ▸ Advent of Code (Python)