

ROBERT HAWLEY

Physics Graduate and Aspiring Data Analyst

☎ +44 7415 773536

@ robertkhawley@gmail.com

🌐 www.linkedin.com/in/robertkhawley

📍 Bradford, UK

OVERVIEW

A recent graduate of The University of Nottingham School of Physics and Astronomy, who is currently building a comprehensive data analytics stack and looking for an entry-level data analyst position, combining my passion for research and desire to tackle practical problems.

BACKGROUND

Portfolio Projects

🌐 www.github.com/RobertKHawley/Portfolio.git

- **Data Exploration:** Investigated a COVID-19 dataset using SQL server by utilising CTEs, temp tables, joins, self-joins, aggregate functions, window functions and more. I prepared queries for visualisations and machine learning algorithms.
- **Data Visualisation:** Produced an interactive Tableau dashboard to visualise queries from the data exploration project.
- **Data Cleaning:** Improved the usability of a housing dataset with SQL server by standardising categorical data, populating missing fields, deleting duplicates and dropping unnecessary columns.

Undergraduate Work

The University of Nottingham

Contributed to my master's degree by completing four computing projects, four project reports, three scientific articles, one literature review and seven oral presentations.

- Coded physically accurate computer simulations in MATLAB by extracting their computer-generated data then calculating net properties and errors to validate their accuracy.
- Debugged simulations and gained qualitative insights into their behaviour by visualising the simulation data with MATLAB.
- Successfully collaborated with peers to carry out three projects, two project reports and three oral presentations.
- Authored scientific documents and presentations using LaTeX, Word, PowerPoint and Slides, complete with plots and animations produced in MATLAB and bespoke diagrams.

OTHER

📍 Geographically flexible throughout the UK.

💬 References provided as and when required.

SKILLS

SQL Server

Tableau

Python

NumPy

Matplotlib

Excel

SQLite

MATLAB

C

LaTeX

HTML

JavaScript

CSS

Flask

EDUCATION

Physics with Theoretical Physics (MSci)

The University of Nottingham

📅 09/2015 - 07/2019 📍 Nottingham, UK

- Graduated with first class honours.
- Scored 85% or more in seven modules over the second and third year.

A-Levels – GCSEs

Dixons City Academy

📅 09/2008 - 08/2015 📍 Bradford, UK

- Achieved 3 A-levels, 1 AS-level and 13 GCSEs/equivalent.

SELECTED COURSES

Machine Learning – CS229 (Audited)

Stanford University

Introduction to Computer Science – CS50x (Audited)

edX (Harvard College)