

# ROBERT HAWLEY

## Physics Graduate and Aspiring Data Analyst

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📍 Bradford, UK

## SUMMARY

A recent graduate of The University of Nottingham School of Physics and Astronomy, who is currently building a data analytics stack and seeking 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](https://www.github.com/RobertKHawley/Portfolio.git)

- **Data Exploration:** Investigated COVID-19 data with SQL server by preparing queries for visualisations and machine learning algorithms.
- **Data Visualisation:** Produced an interactive Tableau dashboard to visualise queries from the data exploration project.
- **Data Cleaning:** Boosted the usability of housing data with SQL server.

### Undergraduate Work

#### The University of Nottingham

Based on four (computational) projects, four project reports, three scientific articles, one literature review and seven oral presentations:

- Gained insights from simulations after manipulating and visualising their data with MATLAB to validate and debug them.
- Collaborated with peers to carry out three projects, two project reports and three oral presentations.
- Complimented all written works with plots and animations produced in MATLAB and custom diagrams for effective communication.

## EDUCATION

### Physics with Theoretical Physics (MSci)

#### The University of Nottingham

📅 09/2015 - 07/2019 📍 Nottingham, UK

- Graduated with first class honours.
- Scored 85%+ 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.

## SKILLS



### SQL

SQL Server, SQLite



### Python

Pandas, NumPy, Matplotlib



### Excel

VLOOKUP, conditional formatting, visualisations, pivot tables



### BI Tools

Tableau



### Other

MATLAB, C, JavaScript, HTML, CSS, Flask, LaTeX, Microsoft Office

## COURSES

### Machine Learning – CS229 (Audited)

Stanford University

### Introduction to Computer Science – CS50x (Audited)

edX (Harvard College)

## OTHER



Geographically flexible throughout the UK.



References provided as and when required.