

# Daniel Grenfell

## Final Year Mathematics Undergraduate

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**Portfolio Website** <https://portfolio-dgrenfell.vercel.app>

Detail-oriented Mathematics student at the University of Reading with background working productively in dynamic environments. Fluent in Python and JavaScript programming languages used to develop Web Applications. A highly organised and efficient individual, focused on achieving project objectives with speed and accuracy.

## Key Skills

- Programming languages (Python, HTML, CSS, JavaScript, Git, mySQL, MATLAB, SAS, R)
- Web development using React, Django, Node and Next
- Excellent technical writing and verbal communication skills
- Data Analysis
- Project planning

## Education

### University of Reading - BSc (Hons) Mathematics

*(September 2019 – June 2022)*

Achieved a high 2:1 in second year exams (69%)

Achieved a 1<sup>st</sup> in first year exams (81%)

Modules include:

- Dissertation Project on Molecular Dynamics Simulations in which I developed a MATLAB program from scratch that runs a series of particle simulations
- Linear Models and Data Analysis where I participated in a group project analysing real data from P&G, consolidating in presenting our findings to audiences of varying technical knowledge
- Numerical Analysis I & II
- Mathematical & Statistical Programming

### CS50's Web Programming with Python and JavaScript Course, Harvard Online

*(July 2021 – September 2021)*

- Developed skills for front and back end web development
- Created web pages using HTML, CSS, Python and JavaScript
- Used Python library Django to manage large web-projects
- Built interactive web pages, including my own e-commerce site, e-mail service and social network site
- Utilised Git and Github for personal and professional use
- Following this experience, I have created similar web pages using React.js. Most recently, an SPA of an Amazon replica including working payment options, with database management and hosting using Firebase. This project is live, found at: <https://clone-1dd14.web.app>

## **Jack Hunt School**

*(September 2017 – June 2019)*

A-levels:

- Mathematics – A
- Further Maths – C
- Physics - C

9 GCSEs, grade A\*-C, including Maths and English

## **Work Experience**

### **JPMorgan Chase Software Engineering Virtual Experience**

*(June 2021 – July 2021)*

- Used JPMorgan Chase Perspective framework and tools to satisfy clients' needs
- Interacted with stock price feeds for analysis and advice
- Processed real data and displayed it visually for traders
- Introduced to open source development

### **GCSE Maths Tutor, Jack Hunt School & Tutorspot**

*(October 2018 – May 2019, September 2020 - November 2020)*

- Trained in Child Protection Procedure
- Created a suitable learning environment based on my tutees' needs
- Independently saw to any administrative work in a timely manner
- Exercised patience and kept calm and collected when encountering difficulties
- Identified weaknesses and strengths in my tutees and myself

### **National Citizen Service (NCS) Programme**

*(July 2018 – August 2018)*

- NCS is a nationally accredited volunteering programme that helped me gain skills whilst contributing to my local community
- Team-building exercises strengthened my cooperation and communication skills between peers
- Planned and executed a social action project with other volunteers which included running a bake sale and sponsored walk around Peterborough
- The project raised over £400 for Head to Toe Charity, a cause I am proud to have contributed to
- Gained a deep development of my communication, interpersonal and professional skills

## **Hobbies & Interests**

- I have been a part of UCL's Shaolin Kung Fu Society for 1 year as a student instructor leading weekly sessions.
- I enjoy swimming and racket sports such as badminton and tennis.
- I create and edit videos resulting in short, professionally styled movies using camera roll footage and video editing software Sony Vegas Pro.