

# **Natalia Kaye**

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## **Education**

I have gained an in-depth understanding of mathematical concepts through the modules I have studied.

### **University of Bristol, Mathematics degree BSc (2021-2024)**

- Predicted First Class Honours.
- Relevant modules: Statistics (88%), Probability, Financial Mathematics, Bayesian Modelling, Linear Algebra, Mathematical Programming (79%), Analysis, Ordinary Differential Equations, Applied Partial Differential Equations, a Project in Machine Learning.
- First year average 77% - First Class.
- Second year average 80% - First Class.
- Experience in Python, Latex and R. Including projects using Latex.
- Skills: Statistical analysis, quantitative analysis, critical and logical thinking, persistence, ability to deal with abstract and unfamiliar concepts to a prominent level to be examined on.

### **Seaford Head School (2014-2021)**

- A-Levels; Mathematics (A\*), Further Mathematics (A\*), Physics (A\*).
- GCSEs; 12 GCSEs, grades 5-9.

## **Work experience**

### **Mathematics Tuition (September 2021 - present)**

- Tutoring GCSE and A-level students in mathematics.
- Developed tailored teaching strategies to enhance the understanding of each individual student. Through my adapted teaching I furthered my interpersonal and communication skills - listening and responding to feedback ensuring each student got the most out of a session.
- Teaching a variety of students has taught me how to explain concepts and methods in multiple ways so the student fully understands what I am tutoring. Requiring an extensive knowledge of mathematics, but also patience, dedication, and determination if the student needed further explanation.

### **Cadence Cycle Club Cafe (June 2021 - September 2023)**

- Managed multiple responsibilities such as kitchen responsibilities, barista duties and till work in a fast-paced environment. Helped run the social media by taking and editing photos and creating images.

### **English Wine Centre Restaurant and Hotel (June 2017 - January 2019)**

- Worked in groups to waitress for large functions, working efficiently and calmly under pressure when problems appeared so the function ran smoothly. Chambermaid for multiple hotel rooms.

## **Other Experience**

### **Vice-president for University of Bristol Cycling Club**

- Lead monthly bike rides for club members both for road and MTB, requiring strong leadership skills to keep everyone safe, especially when there were large groups of beginner cyclists.
- Ran monthly meetings, presented in front of groups of people, proposing innovative ideas to develop the club to gain both new members and improve the running of the current club.
- Organised cycling trips and events for up to 30 people under a strict budget. Addressing and adjusting to challenges if they occurred to ensure optimal enjoyment for students.