Jonty Beglin

📍 EX31 2FF, Barnstaple, Devon   ✉ jontybeglin@gmail.com   📞 07785 922 231   in Jonty Beglin   Jet-b

About me

A passionate and driven student with an interest in mathematics, computer science and electronics. Keen on acquiring a degree apprenticeship to both further my education and apply my technical knowledge in a real-world environment. Proven teamwork and leadership skills within various academic and extracurricular projects.

I am excited at the prospect of working in many departments to find where my strengths and interests align and how I can best benefit your company.

Projects

Event Attribution — MET Office   *12 weeks*

- Gained experience in statistical analysis using R and Python. Modelling various climatic variables with appropriate distributions, including the log-normal distribution and using bootstrapping methods.
- Working in a team to create a clear and concise presentation, allocating roles, fine-tuning the practice run and setting up the required equipment for the presentation.
- Presented the findings to a group of over 20 professionals at the MET Office, both face-to-face and over Microsoft Teams, and answering ad hoc questions.

Convex Geometric Solids — Affiliated with an Academic at Exeter University   *12 weeks*

- Conveying complex mathematical ideas to a lay audience of over 200 people, tailoring my talk to the audience to ensure understanding.
- Led a group to ensure the success of the project while researching and coordinating the production of the final presentation.
- Commitment to the project, researching and understanding complex ideas in a short time frame, using academic reports and using LATEX to create an academic poster.

Education

Exeter Maths School   *2023 - 2025*

- **Predicted A-Levels:** Further Mathematics(A*), Mathematics(A*), Computer Science(A*), Physics(A*)
- **Additional Courses:** Limits of Convergent Series', Computer Aided Maths, Signalling, Computer Science Problem Solving, Maths Problem Solving

West Buckland School   *2017 - 2023*

- **GCSE's:** FSMQ Advanced Maths(A), Maths(9), Physics(9), Computing(8), Chemistry(8), Biology(8), Geography(7), Business Studies(6), English Language(6), English Literature(6)
- **Additional Qualifications:** Grade 8 Speaking in Public(Distinction)

Experience

Community Event Contribution   *2020 - Present*

- Helping to set up local events such as a community Easter egg hunt and King's coronation barbeque, each consisting of over 100 people.
- Serving food to the local community, managing resources such as food suppliers from local businesses.

Food Bank Helper   *2022*

- Collecting perishables and other donated items from local supermarkets and communities.

- Sorting, weighing and handling collected items in the food back to ensure efficiency and speed of serving customers.

Skills

Python - Python is the first language I learnt to program in. It is the language I am most fluent in and often use to solve problems which suddenly cross my mind or to solve LeetCode problems which I enjoy.

R - Despite being more confident in Python, I was curious to explore R and took an exploration into learning R and applying what I'd learnt to real data both in my statistics lessons and with the project affiliated with the MET Office. I now feel confident using R for data analysis.

C# - On numerous occasions I have collaborated with friends to create a game. These experiences have strongly developed my teamwork skills and taught me many lessons. I led a team of developers with different skill sets, such as music composition and graphic design, and listened to everyone's ideas, integrating them into a single project. This has allowed me to develop my programming proficiency through Unity and C# and gain valuable insights into how the success of a project can depend on a well-structured and managed team.

C++ - In my free time I enjoy using Arduinos and often have to program them using C++, my favourite and most recent project which I have worked on is controlling a servo with an ultrasonic sensor attached to it with a PlayStation controller, allowing me to scan out rooms as if it were a sonar.

Git - I have been using git over the last few years and can use it proficiently to save and upload code online to see progress over time and collaborate with others.

Resilient problem solver - Throughout my summer holidays I tried to complete one LeetCode problem daily. This taught me the resilience to get through problems I didn't necessarily initially understand and truly learn from each problem I completed.

Interests

Electronics - I enjoy playing with electronics such as Arduinos, Raspberry Pis, and breadboards, this is a hobby I believe I reap a lot of benefit from, understanding low-level systems and programming in C++.

3D Modelling - Another hobby of mine is 3D modelling; I enjoy creating 3D models which I can then showcase to others to convey certain ideas, 3D printing allowing my works to have a physical manifestation or just to wind down and model something for fun. This has intrigued me into the world of Blender and how some of its features function.

Kayaking - My favourite outdoor activity is kayaking; I have never been the sportiest person in the class however, one activity I find very therapeutic and enjoyable is kayaking.