

Max Guy

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Personal profile

Mathematics and Statistics student, passionate and interested in all things technology and software related.

Experience

- I spent the previous summer as a data science intern at Heineken in Edinburgh. This involved applying data science methods to a business problem and performing under tight deadlines.
- I have excelled in numerous numerical and computational mathematics courses during university. This included both group and individual projects.
- Outside of my course, I was a sub-team leader for my university hyperloop team, hyped. I lead the navigation software team, which involves the updating of legacy code (in C++) as well as the implementation and documentation of a real time Kalman filtering algorithm. I was in hyped for four years.
- My dissertation topic involved building an efficient linear feasibility solver (mathematical optimization), to solve a problem set of 150,000 compiler generated problems. This was built from scratch in C++ and can be found on my github.

Previous employment

- Heineken (2022)
 - Position: Data Science Intern
 - Role: Adding business value by gaining insight from data using rigorous data science methods. Left behind usable business tool for continued insights.
- Ardeonaig Hotel and Restaurant (2021)
 - Position: General Assistant
 - Role: Fine dining waiter and general IT support.
- Spar Scotland (2020)
 - Position: Retail Assistant
 - Role: Unloading deliveries, maintaining strict store aesthetic standards and serving customers quickly and professionally.
- Fonab Castle Hotel (2019)
 - Position: Food and beverage assistant
 - Role: Working in a larger team to deliver optimal customer experience in a 5 star setting, often while under time pressure.

Skills

Technical Skills

- Python, including commonly used libraries (Scipy, Pandas, Sklearn, Numpy, Matplotlib, etc...)
- Strong programming ability in both R and C++ including modern standards and working within larger frameworks.
- Git version control (including pull requests, large scale development, etc.)
- Strong mathematical background, particularly in statistics, optimization and applied/discrete maths.

Soft Skills

- Ability to collaborate effectively
- Communicating complex ideas efficiently
- Rigorous and resilient problem solving
- Strong work ethic
- Comfortable taking initiative and working independently

Education

University of Edinburgh (2019 -)

- Graduated BSc (Hons) Mathematics and Statistics with 2:1
- Final year project on building fast LP solver in C++

Perth Grammar School (2013-2019)

- ABB in SQA Advanced Highers (Mathematics, Statistics and Physics respectively).
- AAAAAA in SQA Highers (Mathematics, English, Physics, Chemistry, Graphic Communication, Engineering Science).
- Head Boy in 6th year, best in school for both Mathematics and Statistics.