HOAGY CUNNINGHAM

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Academic

➔ 2:1 in Politics, Philosophy and Economics from The Queen's College, Oxford.

➔ 7 A Levels: 3 A*s - Maths (aged 12), Chemistry, Biology; 4 As - Further Maths, History, Physics, English Lit.

➔ Twice awarded UKMT Olympiad Gold Award for top 50 performance in problem-solving from a field of >150,000.

➔ 14 GCSEs: 8A*s, 5As and a B

➔ MOOCs: Game Theory, Computational Neuroscience, Applied Calculus and Machine Learning.

➔ Following Oxford's Mathematics course module by module, currently on term two. Example notes here.

➔ B1 German, currently applying to B2 courses.

Experience

Researcher at FullFact - Summer 2015

- Sole responsibility for fact-checking the bill that became the Energy Act 2016.

- Analysed large troves of government statistics, uncovering fortunate updates touted as policy success.

- Wrote articles (example) explaining the veracity of claims in clear, simple language.

- Presented analysis of claims to stakeholders and experts on particular sides of the argument without failing the requirement of objectivity.

Co-creator of timeglo.be - Spring 2016

- Found a method to create database of >30,000 historical events, each with date and location.

- Brought together a team with the necessary skills to create a polished final product.

- Generated over 20,000 hits, including a feature on visualnews.com and reference by the BBC.

Co-founder of Bazaar - Spring 2017

- One of under 10% of teams accepted to Said Business School entrepreneurship training.

- Gave weekly presentations to investors on topics such as market sizing and identification.

- Won award for best presentation in the final for our student focused second-hand marketplace.

Skills

Communication

- Experienced debater on both prepared and unprepared topics. Awarded a position on a month long cultural program in the US by the American Embassy for success in their competition.
- Required to read and defend essays twice weekly in front of leading experts throughout my time at University.
- Taught a range of subjects from GCSE Maths through to undergraduate Economics.

Coding

- Experience in Python through work on machine learning projects, including familiarity numPy, sciPy and pandas libraries. Completed over 50 Euler Project challenges. Comfortable with regular expressions.
- Used the statistical languages R and MATLAB for university coursework and Geoffery Hinton's Machine Learning course respectively.
- Made Flash games as a preteen.
- Experience in Excel formulae, SQL queries and creating custom functionality through Apps Script.

Self Motivation

- Taught myself a wide range of qualifications, including A Levels and
- Ran marathon two days after completing Finals.

Miscellaneous

- → Selected to the University Challenge team (a nationwide general knowledge quiz) of my college in each year of university. Captained it twice.
- → Recitals Officer for the Eglesfield Musical Society, organising weekly recitals from international performers and hosting the events.
- → College Academic Representative, organised tutor-student meetings and mediated disputes.
- → Wrote Extended Project on the relationship between maths and music and the degree to which harmony is learned.
- → Keen pianist and rock climber.

Current Projects

- → Creating an open database of freely available educational resources online.
- → Economic analysis of the welfare impact of the free site-ad revenue model dominant on the modern Web.
- → Reading a lot of Philosophy of Mind, in particular the hard problem of consciousness and the conditions required for a machine to be considered conscious; and the work of MIRI on safe artificial intelligence.
- → Aiming to create a system enabling individuals to pay themselves to do tasks they would not have the will to do by holding that money in trust.