
EDUCATION

- **University College London** London, UK
Chemistry BSc: First Class Hons 2017
- **City & Islington Sixth Form College** Islington, London
A Level: Physics (A) Mathematics (A) Chemistry (A) AS Level: Further Mathematics (A)* 2011 - 2013

EXPERIENCE

- **Barclays UK Graduate Scheme** London, UK
Digital Analyst - Barclaycard UK, Strategic Analytics Mar 2018 - Present
 - Responsible for developing the Digital Analytics capability in the team.
 - Built a deterministic matching algorithm in SQL to deal with a technical error which prevented users being tracked across domains. The algorithm used IP Address, device model and timing attributes.
 - Developed a method to link web-traffic behaviour to account performance to analyse the links between application browsing behaviour and customer risk performance.
 - Built a report for Marketing colleagues to assess the affect errors had on account conversion.
 - Developed a template in Python for colleagues to visualise data in four dimensions.
- *Data Product Manager - Barclaycard International* Sep 2017 - Mar 2018
 - Aided in organising a landmark two-day hackathon with the Office for National Statistics. This was the first event where Barclays data was brought onto an external network for analysis.
 - Focused on developing challenges set to participants, uploading and securely hosting aggregated Barclays data, troubleshooting, and developing the winning proposal.
 - Led regular calls spanning three continents on bespoke protocols for handling Barclays data in an external environment.
 - Worked on use cases involving business matching, data visualisation and natural language processing.
- **Barclays Summer Internship** London, UK
Spend Engagement Analyst - Barclaycard UK Jun 2016 - Aug 2016
 - Undertook a deep dive into the New Customer Engagement programme, which has an annual reach of over 1 million customers. This included an analysis of key incremental metrics; email performance and customer advocacy data.
 - Led a team of 5 to design, develop and deploy a spend trigger to 16,000 disengaged customers.
 - Created a financial model to ascertain the turnover of this programme over the short to medium term.
 - Led a group 6 fellow interns to win a Hackathon against 8 other teams, focused on innovation.
- **Boston Consulting Group: Rare Consult Programme** London, UK
12 month mentoring programme organised with Rare Recruitment 2015
 - Participated in interactive case studies relating to consultants' experience.
 - One-to-one mentoring featuring case preparation and commercial awareness.
- **Missing People / Tata Consulting Services** London, UK
Technology consulting challenge with the charity Missing People to improve its youth engagement. Apr 2015
 - Created an online marketing and advertising strategy featuring search engine optimisation.
 - Presented to senior employees at Tata and Missing People. Compiled a report outlining our recommendations.
 - Secured £8000 of funding for a microsite, 1500 more impressions of website and improvement in click-through rates.

PROGRAMMING SKILLS

- **Languages:** Python, SQL, Git, Javascript. **Technologies:** Hadoop, Teradata, SAS, Heroku, p5.js, Jekyll.