

# ZORAIZ "RAY" AZEEM

## Data Scientist/Analyst

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## EDUCATION

### MSc, Data science & Analytics

📅 2021 – 2022

📍 University of Leeds

- **Subjects Studied:** Artificial Intelligence, Statistical theory, Programming for DS (R & Python), Statistical learning, Multivariate methods, Knowledge representation and reasoning (symbolic AI) and Data science.

### BSc, Chemistry

#### Classification : 1st Class

📅 2017 – 2020

📍 University of Liverpool

- **Personal Spotlight:**
  - Member of HiPyLiv society, Python for researchers.
  - Modelling energy states of molecules. (Hartree-Fock)
  - Using spectral simulations to determine molecule structure.
  - Studied: quantum mechanics, electrochemistry, material science and group theory
- **Accomplishments:**
  - 99% in maths for physicist I, highest within cohort.
  - Organic chemistry grades >80%, 3 consecutive years.
  - 3rd year module (inorganic applications of group theory) taken in second year & 77% achieved.

### A-Level Qualifications

📅 2015 – 2017

📍 Queen Elizabeth's Grammar School

AABA A-Levels in Chemistry, Biology, Maths and AS Level  
Physics UCAS credits: 156 points

## COURSES

### Databases, SQL & Python for Data Science & AI Accredited by IBM

Introduction to ETL and cloud computing using IBM Watson.

### Fundamentals of Machine Learning in Finance Accredited by NYU Tandon School of Engineering

Advanced linear algebra and machine learning with its use in fraud detection and predictive analytics.

## RELEVANT TOOLS

- **Python & SQL :** Professional and academic experience (full proficiency).
- **R, Tableau & Excel:** Academic experience (full proficiency).
- **AWS (inc. EC2, RDS & S3):** semi-professional proficiency.
- **JavaScript (inc. HTML, CSS & React.js):** Personal experience.

## EXPERIENCE

### Data Science Consultant 📍 AAK TELE-SCIENCE, INC.

- Developing unique data structure/taxonomy, for use by other developers.
- Converting large XML tree structure into readable JSON format.
- Clear documentation with respect to the relevant stakeholders.

### Research Internship 📍 XJTLU, Suzhou, China

- Experimentation on Ni/Ni(OH)<sub>2</sub> nanocomposites for Solar-to-Hydrogen conversion.
- High variety and veracity data processed to find optimal system for hydrogen production.
- Working with a research group, including non-native English speakers.
- Problem-solving technical and scientific issues.

### Proprietor & Co-Founder of YellowLabelCo.

- Business co-founded to produce textile products, sold online on Etsy & eBay.
- Responsibilities include: Item pre-production, SEO, web-marketing and sales strategy revision using operation research.
- Revenue recently reached £50,000 pa.

### Peer Assisted Learning Module Co-Ordinator, 📍 University of Liverpool

- Enhanced leadership and guidance skills, whilst advising and supporting struggling younger students.

## PERSONAL PROJECTS

- **Serial killer motivation (a statistical approach):** Included model fitting, hypothesis testing and other advanced statistical analysis to test a given hypothesis: "Does the age at first kill differ with killers that have different motives?"
- **Life Insurance data science project:** Use of SQLAlchemy & AWS RDS to analyse high volume data sets. Use of similarity, clustering and classification, to group high respondent individuals.

## ABOUT ME

I am a self starter who thrives on innovation and the impact of my work, I aim to take pride in everything that I do, holding myself to high standards. I enjoy team based projects and I believe that work in this environment is always greater than the sum of it's parts. As a detail driven and conscientious worker, I feel my personality will be a good fit for the diverse team at Amazon.