DANIAL MIRZA
158 Magazine St Apt 27
Cambridge, Massachusetts 02139
(617) 417-5196 | dmirza@mit.edu

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT   Cambridge, MA
Candidate for Master of Business Analytics, Operations Research Center, August 2020   Aug 2019 - Present
- Member of MBAn Leadership Council
- Relevant Coursework: Machine Learning, Optimisation Methods, Analytics Edge
- Projects: Proposing a personalised education solution; using Optimal Trees to prescribe individualised education plans to students with learning disabilities with a view to improving future attainment and preventing dropout

UNIVERSITY COLLEGE LONDON (UCL)   London, UK
Statistics and Economics BSc   Sep 2016 - Jun 2019
- First Class Honours
- Director of UCL Statistics Society; Treasurer of UCL Life Ethics Society
- Undergraduate thesis: Unsupervised Deep Learning for Anomaly Detection in Network Data
- Hackathons: 'Most Innovative Hack' winner at UCL Porticode 3.0 and KCL HackKings 5.0

EXPERIENCE

MIT SLOAN SCHOOL OF MANAGEMENT | CLÍNICA INTERNACIONAL   Cambridge MA
Analytics Lab Team Member   Sep 2019 - Present
- Developed models in R, Python to predict patient length of stay in hospital, outperforming estimations from physicians by an average of 2 days per patient
- Identified key drivers of length of stay in order to prevent unnecessarily lengthy admissions
- Building a robust hospital bed allocation model, with an aim to reduce wait times and alleviate responsibility of unskilled staff to assign beds (Julia)

GIRLCO.DE   London UK
Co-founder   Oct 2018 - Present
- Co-founded a social enterprise focused on providing training and support to women in tech from underrepresented and low-income communities
- Directing strategy and operations including managing volunteers, recruiting mentors and securing funding
- Led content creation, designing and developing core 10-week training curriculum; received high praise from pilot groups

AVORA   London, UK
Data Analyst (Summer Intern)   Jun 2018 - Aug 2018
- Worked closely with Product Development, Customer Success and Sales teams to deliver industry-specific demo environments for clients across a wide range of industries
- Used advanced machine learning and anomaly detection methods for data analysis in Python (Pandas)
- Applied statistical techniques to solve a particularly complex problem, focusing on automatically finding the root cause behind a change in performance
- Built dashboards demonstrating KPI metrics to meet client requirements

CARD FACTORY   London, UK
Project Manager (Contract)   Aug 2017 - Oct 2017
- Engaged on a contract basis during the summer taking complete end-to-end responsibility for a major nationwide EPOS upgrade; project was used as a case study resulting in new business wins valued in excess of £1mil
- Responsible for sourcing, supervision and scheduling of on-site engineers, budget management and client progress reporting. Attended key meetings and ran client presentations
- Successfully delivered project to extremely challenging timescales receiving excellent client feedback

ADDITIONAL INFORMATION

- Technical Skills: R, Python, Julia, SQL, Git
- Spent 3 months travelling in Asia including a 4-week internship in Shanghai. Learnt basic conversational Mandarin.
- Gained PADI Open Water scuba diving licence and trekked to the summit of Mt. Kinabalu.
- Interests: Social impact and community service, compulsive gift giver, accomplished (fantasy) basketball player