

Dr. Amr Ellabban

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Education

University of Oxford, Magdalen College

DPhil Engineering Science

Sept 2009–Dec 2013

(Computer Vision and Machine Learning)

- Developed methods to automate large-scale quantitative analysis of biological data
- Published four papers as first author
- Worked on four cross-disciplinary projects with international collaborators
- Supervised and assessed undergraduate programming labs

University of Oxford, Magdalen College

MEng Engineering Science, First Class Honours

Sept 2005–Jun 2009

Elected Exhibitioner of Magdalen College (academic award) for three academic years

Experience

OC&C Strategy Consultants

Data Analyst

Oct 2015–present

Client-facing role, using statistical modelling and machine learning techniques to inform clients' strategic decisions.

Projects have included:

- Mobile workforce optimisation for a leading vehicle repair company, resulting in a 10% increase in employee utilisation
- Store location modelling for a major coffee shop chain
- Prototyped a centralised SQL-based reporting system, consolidating over 35 data sources

VisualDNA

Lead Data Scientist

Jan 2015–Sept 2015

Use big data analysis, for applications in online marketing, and credit risk prediction.

Promoted to team lead role within 11 months.

Additional responsibilities included:

- Managed a team of analysts, developers and data scientists
- Reported core business metrics to senior management
- Provided technical insight for external clients

Research Engineer

Feb 2014–Dec 2014

- Analysed large scale data using R and Scalding/Hadoop
- Developed performance measures for internal algorithms
- Designed and implement various machine learning algorithms, leading to 20% improvement in data quality

Student Consultancy, University of Oxford

Consultant

Spring 2013

Volunteer consulting project to research and develop an effective marketing strategy for local web-based startup

- Responsible for all interactions with client Managing Director and determining scope of the project
- Led a team of four students
- Designed market surveys and analysed data

Digital Bottles

Founder and Developer

2012–2013

A non-profit social website, *digitalbottles.com*, effectively digitising the process of sending a message in a bottle

- Designed and implemented algorithms for message distribution
- Attracted over 400 registered users in first two months of operation

Oxford Capital Partners

Intern

Summer 2007

Venture capital firm based in Oxford specialising in science and technology investments

- Conducted intellectual property due diligence
- Produced marketing material, reporting directly to CEO

Programming skills

Advanced: Matlab, R

Proficient: Scala, Python, Scalding (Hadoop), Hive, SQL

Basic: C, C++, Java

Positions of Responsibility

Vice President

Magdalen College graduate common room

2011

- Planned weekly social events for student body
- Managed duties of 20 person committee
- Represented student body in negotiations with college

Captain

Magdalen College graduate football team

2010–2011

- Managed team budget for equipment, transport and referee fees
- Led team to first promotion in over three years
- Continue to organise annual alumni matches

Languages

Native: English, Arabic

Conversational: French