Dr. Amr Ellabban

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Education

University of Oxford, *Magdalen College*

DPhil Engineering Science (Computer Vision and Machine Learning)   *2009–2013*
● Developed new 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

University of Oxford, *Magdalen College*

MEng Engineering Science, First Class Honours   *2005–2009*
Elected Exhibitioner of Magdalen College (academic award) for three academic years

Experience

VisualDNA

Lead Data Scientist   *Jan 2015–present*
Use big data analysis, for applications in online marketing, and credit risk prediction.
Promoted to team lead role within 10 months.
Additional responsibilities include:
● Manage a team of analysts, developers and data scientists
● Report core business metrics to senior management
● Provide technical insight for external clients

Research Engineer   *Feb 2014–Dec 2014*
● Analyse large scale data using R and Scalding/Hadoop
● Develop performance measures for internal algorithms
● Design 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

• Assisted with investor meetings and presentations

Programming skills

Advanced: Matlab, R

Proficient: Scala, Python, Hadoop, Hive

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*

• Organised matches against other Oxford colleges

• 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