Devang Agrawal

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Education

University of Cambridge, Queens' College — **Cambridge, UK**
*MEng. Information and Computer Engineering, **1st Class with Distinction**, **Full Scholarship*** — *2012 – 2016*
- Specialising in **Machine Learning** and **Statistical Pattern Processing**
- MEng. Project with **Prof. Zoubin Ghahramani** on "Bayesian Optimisation using Neural Networks"
- Modules : Machine Learning, Statistical Pattern Processing, Practical Optimisation, Speech & Language Processing, Image Processing, Computational Neuroscience and Management of Technology
- Projects : Software Development in C++, Image Compression with MATLAB, Sudoku Solver in JAVA, Coding in Visual Cortex

Experience

Apple Inc. — **Cambridge, UK**
Machine Learning Engineer — *August 2016 – Present*
- Developing cutting edge machine learning and natural language processing solutions for Siri

Featurespace Ltd — **Cambridge, UK**
Research Engineer Intern — *July – September 2015*
- Developed machine learning solutions for detecting fraud in card transaction data
- Prototyped and implemented algorithms in Java and Python
- Created a high speed low-latency system which quadrupled the detection accuracy

Cambridge University Department of Engineering Undergraduate Research Placement — **Cambridge, UK**
Environment Control for Biology Research — *July – September 2014*
- Investigated a web interfaced environment control system for biology research for the OpenLabtools.org project
- Designed and prototyped electronics to control temperature via a server and a micro-controller(Arduino)
- Created a customised temperature controlled chamber using CAM
- Worked effectively in a team in a highly multidisciplinary environment

DVL Technologies Ltd — **Cambridge, UK**
Software Developer Intern — *June – July 2013*
- Developed software to estimate the 3D geometry of objects from stereo images
- Prototyped and developed algorithms in C++ and MATLAB

Cambridge University Department of Engineering Undergraduate Research Placement — **Cambridge, UK**
Automated feedback for Stroke Rehabilitation — *August – September 2013*
- Created a Microsoft Kinect based application for rehabilitating stroke victims
- Developed highly object oriented code with C# and Kinect SDK

Publications

- Devang Agrawal. 2016. Bayesian Optimisation using Neural Networks. M.Eng Thesis, University of Cambridge, working with Prof. Zoubin Ghahramani.

Awards

- Winner of Queens' College Foundation and Exhibitioner Scholarship for getting a First Class in all years
- Awarded the Manmohan Singh Undergraduate Scholarship fully funding MEng at Cambridge University by the Cambridge Commonwealth and Overseas Trust
- Winner of Silicon Valley comes to UK Appathon. Got invited to a reception at Downing Street with the Prime Minister
- Awarded the KVPY fellowship by the Government of India

Extra Curriculars

- **Elected Student Representative to The Council of the School of Technology**
  - Represented c.5000 students
  - Part of key negotiations on the future of Cambridge University Engineering Department
- **Elected Learning Officer of Cambridge University Hindu Cultural Society**
  - Initiated Sanskrit, Hinduism and Vedic Learning seminars in Cambridge
  - Organised cultural events attended by c.200 students
- **Co-President of Cambridge University Environmental Consultancy Society**
  - Secured the societies first ever sponsorship from IBM (2000£)
  - Contributed to University Environmental Policy and organised workshops on environmental consultancy
- **Co-founder of the Indian Young Scientist Network (IYSN)**
  - Conceived and launched IYSN to promote scientific curiosity amongst Indian students
  - IYSN.org aims to be a forum for commencing scientific discussions amongst students
- Member of the CU Dancesport Beginners Team, competing nationally in Quickstep, Waltz, Jive and Cha-cha-cha
- Member of Queens' College Squash and Football teams