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Marek Romanowicz

Experience

08/2015 – present **Software engineer**, Flux Factory Inc, San Francisco.
- Developing backend systems with a focus on applying Machine Learning methods to company's services.

09/2014 – 10/2014 **Software engineering intern**, Originate Inc, Sunnyvale.
- Built an automatic AWS EC2 deployment tool in Ansible for the *Best of All Worlds* website.

06/2014 – 08/2014 **Software engineering intern in Enterprise Platforms, Technology Division**, Goldman Sachs, London.
- Developed a system for firmwide use incorporating ElasticSearch while at Runtime Practices Group team.
- Improved commercial awareness by completing several business-oriented group projects.

06/2013 – 08/2013 **Software engineering intern**, RealVNC, Cambridge.
- Investigated new display server developments in Linux environment, namely Wayland and Mir, with particular focus on how to adapt company's software to these new architectures.
- Prototyped several smaller modules to imitate needed functionality while satisfying new requirements

April 2013 **Spring intern in Technology Division**, Goldman Sachs, London.
- Gained deeper understanding of how global markets and investment banks work and interact with each other.
- Understood the importance of Technology division in a world class, competitive financial company

December 2012 **Software engineering intern**, Vortex Communications Ltd., London.
- Investigated the feasibility of a Wi-Fi based embedded system for use in one of the company's products.

07/2012 – 09/2012 **Software engineering intern**, Vortex Communications Ltd., London.
- Developed an application for Android OS tablets which is now up and running in the House of Commons
- Provided technical support and tested other products in the company's portfolio.

Master Thesis

Title Application of convolutional neural networks to RL control problems

Supervisors Z. Ghahramani, M. Hoffman

Grade ***1st Class***

Education

2011 – 2015 **Trinity College, University of Cambridge**, MEng, BA (Hons.), ***Distinction*** *(MEng)*, ***1st Class*** *(BA)*.
- Achieved *1st Class* results in courses including Machine Learning, Computer Vision, Statistical Pattern Processing, Speech and Language Processing, Computational Neuroscience and Social and Technological Networks Analysis

2014 – 2015 **Coursera**.
- Machine Learning course taught by Andrew Ng, Stanford University, *Certificate of Accomplishment*
- Enrolled in Mining Massive Datasets, Probabilistic Graphical Models, Natural Language Processing

Awards

2013, 2014, 2015 **Senior Scholar**, Trinity College, University of Cambridge.

2012 **Junior Scholar**, Trinity College, University of Cambridge.

2012, 2013, 2014, 2015 **Tripos Examination Prize**, Trinity College, University of Cambridge.
Distinction in Engineering Part 2B, ranked **17th** out of **250** students
1st Class in Engineering Part 2A, ranked **26th** out of **243** students
1st Class in Engineering Part 1B, ranked **36th** out of **299** students
1st Class in Engineering Part 1A, ranked **13th** out of **345** students

Skills

Programming **C/C++, Java, Python, Go, Matlab, Slang, SQL, Linux, Git, OO Design, Test Driven Development**

Machine Learning **Deep Learning, Reinforcement Learning, Probabilistic Rankings, Convolutional Neural Networks Non-parametric models, Neural Networks, MCMC methods, CUDA, Theano, SVM, Decision Trees Gaussian Processes, Mixture Models, Hidden Markov Models, Latent Dirichlet Allocation, EM, RBM**

Other AWS EC2, ElasticSearch, Ansible, TEX, Analysis, Signals, Software Engineering, Algorithms, Control theory

Languages Polish (native), English (fluent), Spanish (basic)

Positions of responsibility

5/2014 – 5/2015 **External Officer**, Cambridge University Polish Society.

5/2013 – 5/2014 **Vice President**, Cambridge University Polish Society.

5/2013 – 5/2014 **Treasurer**, Trinity College Engineering Society.