Marek Romanowicz

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Experience

08/2015 – 08/2016 **Software engineer**, Flux Factory Inc, San Francisco.
- Developed multiple new user-facing features around users' data pipelines including new data auditing tools.
- Improved the RESTful Flux's DataTable API by working closely with their SDK team and gathering feedback from developers. Also cleaned up the API to return informative errors and appropriate HTTP error codes.
- Gained working knowledge of deployment systems including Docker and CoreOS by being part of the on-call rotation. Also provided the user support team with help to access data in Google Cloud Storage and MySQL databases.
- Coordinated API/service changes with a remote engineering team and ensured backwards compatibility with old APIs.

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.

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.

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.

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

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 Go, C/C++, Java, Python, 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

5/2013 – 5/2015 **Vice-President, External Officer**, Cambridge University Polish Society.

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