

Ramona Comanescu

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EDUCATION

The University of Cambridge

MPhil Machine Learning and Machine Intelligence
(2018 - **Expected: September 2019**)

- Focus on Probabilistic Machine Learning, Speech and Language Processing, Deep Learning
- **Awards:** Cambridge European Scholarship

The University of Edinburgh

BEng Computer Science (2014 - 2018)

- Focus on Machine Learning and NLP
- **Awards:** First Class Degree; **Best** Overall Performance in BEng Computer Science; **Best** Performing Penultimate Year Student in Computer Science

WORK EXPERIENCE

Amazon, Edinburgh

Software Engineer Intern | June - August 2018

- **Annotation of crowdsourced data:** Identified a dataset with high user impact where 35% of the labels were wrong and developed a pipeline for correcting and preventing untrustworthy annotations in the future. This included research into models of annotation for crowdsourced data, integrating annotator specific features with existing models and adding a feature to annotate each datapoint with the annotation source.

Amazon, Edinburgh

Software Engineer Intern | June - August 2017

- **Ads classifier:** Increased the recall of Amazon ads that can be displayed on 3rd part websites by 10pp by implementing large-scale machine learning classifiers for ads safety. Researched embeddings for textual features and deep learning network structures using the deep learning framework MXNet with Python. Handled large amounts of data using Apache Spark and Java. Generalized the implementation to be easily extended.

Echobox, London

Technical Intern | June - Sept 2016

- **Title suggestion:** Offered newspapers editors a feature that automatically suggests titles for articles shared on social media. Work involved natural language processing methods, machine learning classifiers, A/B Testing.

PUBLICATIONS

J. Williams, R. Comanescu et al. **DNN Multimodal Fusion Techniques for Predicting Video Sentiment**. In Proceedings of Grand Challenge and Workshop on Human Multimodal Language, **ACL 2018**

J. Williams, S. Kleinegesse, R. Comanescu et al. **Recognizing Emotions in Video Using Multimodal DNN Feature Fusion**. In Proceedings of Grand Challenge and Workshop on Human Multimodal Language, **ACL 2018; Winner** of the Emotion Recognition Track

PROJECTS

NLP and Data science methods to understand gender imbalance in a scientific community

Undergraduate Thesis | *Edinburgh University*

Developed gender classification methods for names and explored the different evolution of research topics in computational linguistics, using topic modeling. Implemented a data science pipeline for corpus analysis based on gender variables.

Machine Learning Practical

Coursework | *Edinburgh University*

Implemented deep learning systems in Python and Numpy (including optimized convolutional networks). Researched multimodal sentiment analysis.

Receipt2Fitbit

Award: Second place | *Hack Cambridge*

Updates your Fitbit with how many calories you need to burn based on photos of your receipts. Uses Azure, OCR, ML classifier to classify words as food, Python back-end.

LEADERSHIP

Computation and Logic Tutor

University of Edinburgh | Sept - Nov 2016

Organized tutorials to accompany the lectures and help students understand the material by hands on practice.

Women in Informatics Society

Committee Member | Sept 2016 - May 2018

Organized weekly technology and career talks with guest speakers from academia and industry, launching mentorship programs, social events, workshops.

SOFTWARE SKILLS

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| GOOD LEVEL | Java, Python; NumPy |
| INTERMEDIATE | Matlab, Scala, C++, Keras, Tensorflow, MXNet, Apache Spark, Hadoop, Android, Flask, Git, Unix, HTML, CSS, \LaTeX |