Bruno K. Mlodozeniec

Information Engineering Student
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Experience

Apple
June - September, 2019

Software Engineering Intern | Siri Team
Cambridge, UK

- Worked as a Machine-Learning Engineer in the team working on the Siri Voice Assistant.

University of Cambridge
August - October, 2018

Machine Intelligence Laboratory Intern | Undergraduate Research Opportunity Project
Cambridge, UK

- Worked with Professor Gales' group on automated assessment of relevance of a spoken response to a given prompt in the context of language learning assessment.
- Investigated various methods for training neural networks capable of providing useful measures of uncertainty, including deep ensembles and deep Prior Networks.
- Investigated *Ensemble Distribution Distillation* using Prior Networks as a novel method for ensemble distillation that retains ensemble's performance on uncertainty-related tasks.
- Continued collaboration with the lab during the following year to develop, benchmark, and write a paper on *Ensemble Distribution Distillation*.

Harvard University | School of Engineering and Applied Sciences
July - August, 2018

Visual Computing Group Intern
Cambridge, USA

- Worked on investigating novel methods for motif discovery and network comparison for biological networks.
- Launched an initial investigation for explorative analysis of large connectomics graph datasets representing biological neural networks derived from the 3D segmentation of EM brain images performed by the Visual Computing Group.

Cisco Systems
July - September, 2017

Machine Learning Intern
Oslo, Norway

- Worked on speech detection for the Cisco Webex wake-up feature.

Education

University of Cambridge | M.Eng. in Information Engineering
2016-2020

Emmanuel College
Cambridge, UK

Year 1 Performance: 1st Class. Top 10% of class.
Year 2 Performance: 1st Class. Top 8% of class.
Year 3 Performance: 1st Class. Top 7% of class.
Awarded Rowley Mainhood College Prize for academic performance on exams.

Courses include:

Inference	Information Theory	Neuroscience	Deep Learning
Probabilistic ML	Optimisation	Linear Algebra	Signal Processing

Additional Computer Science Modules:

Foundations of Data Science — Machine Learning and Real-world Data

Kristiansand Katedralskole Gimle
2014-2016

International Baccalaureate (IB)
Kristiansand, Norway

- IB Diploma score: 43 / 45 | Extended Essay and Theory of Knowledge grades: A & A

Skills

- Python ●●●
- TensorFlow ●●●
- PyTorch ●●●
- C++ ●●○

Honors & Awards

Royal Academy of Engineering *2018*

| Engineering Leaders Scholarship *Royal Academy of Engineering, UK*

- I am a recipient of a scholarship aimed at supporting engineering undergraduates who have the potential to become future leaders in their fields, and who are able to act as role models for the future engineers.

International Mathematical Olympiad (IMO) *July, 2015*

| Honourable Mention *Chiang Mai, Thailand*

- 2nd best score on the Norwegian team.
- Undertaken a week-long preparation camp to develop formality and creativity in mathematical thinking, as well as improve my general problem solving skills.

Norwegian Mathematical Olympiad *March, 2016*

| 3rd place *Trondheim, Norway*

- Based on my performance in the national olympiad, I was two years in a row selected to represent Norway in the International Mathematical Olympiad (IMO) and the teamwork-oriented Nordic Mathematical Olympiad (NMC)

Societies

2018 - Now **Co-founder, Chairman**, Cambridge University Machine Intelligence Network *Cambridge*

- Co-founded a society with the aim of providing a platform for students with interest in machine intelligence to collaborate, organise workshops, and coordinate teams to run projects and participate in competitions.
- Arranged talks with researchers from companies like Google, BenevolentAI or Prowler.io

Languages

Fluent:

English Norwegian Polish