ANDRII SKLIAR

Artificial Intelligence Master Student

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Amsterdam, Netherlands

EXPERIENCE

Research Engineer

Qualcomm AI Research

Oct 2019 – Currently Netherlands

- Working on model compression within research team lead by Prof. Max Welling.

Research Intern

QUVA Lab

May 2019 – Oct 2019 Netherlands

- Master's thesis internship in collaboration with QUVA Lab under the supervision of Maurice Weiler.
- The main goal of the project is to explore how Riemannian manifolds can be used to improve the performance of current Neural Network models.

Lecturer

Holland International Study Centre

Apr 2019 – Aug 2019 Netherlands

Teaching Assistant

University of Amsterdam

Sep 2018 – Jun 2019 Netherlands

- I was assisting in Master courses in Machine Learning, Information Retrieval and Deep Learning

Artificial Intelligence Intern

IBM Extreme Blue

Jun 2018 - Sep 2018 Amsterdam, Netherlands

Technology stack: Swift, Python

- Solution for a global problem coming from IBM's strategic client, consisting of the mobile app and detailed business plan.
- "Project with highest potential impact" award.

Software Engineer

Intetics Inc.

Feb 2017 - Aug 2017 Kyiv, Ukraine

Technology stack: Haskell, MySQL, Python, PHP

EDUCATION

MSc in Artificial Intelligence

University of Amsterdam

Sep 2017 - Aug 2019 Netherlands

- GPA: 8.8/10, Cum Laude
- Honours programme with multiple successful research projects.
- Courses in Theoretical and Applied Machine Learning with main focus on Advanced Machine Learning, Deep Learning, Computer Vision, Reinforcement Learning and Information Theory.

BSc in System Analysis

NTUU "Kyiv Polytechnical University",
ESC "Insitute of Applied System Analysis"

Sep 2013 - Jul 2017 Ukraine

- Courses in Applied Math, Statistics and Computer Science.
- GPA: 4.74/5, Top 5% of the Year Group

Erasmus+ Exchange Semester

University of Groningen

Sep 2016 - Feb 2017 Netherlands

- Bachelor- and Master- level courses in Computer Science and Artificial Intelligence

SKILLS

- **Machine Learning**: strong knowledge of theoretical foundations of Machine Learning as well as current trends in the research community with main focus on Deep Learning-based Generative Modelling (VAEs, Flow based Generative Models);
- **Deep Learning**: research experience with studying and applying DNNs for complex multi-modal (CV and NLP) and Graph-related tasks.
- **Programming**: excellent proficiency in Python for Data Science (Numpy, Scikit-learn, pandas, matplotlib, PyTorch); C# (ASP.NET, MVC, Entity Framework, MS SQL).
- **Software and systems**: Unix-like OS (Ubuntu, Mac OS) ecosystem (bash, zsh), Microsoft Office tools.
- **Languages**: Russian, Ukrainian (native), English (IELTS 8.0/9.0), German (TestDaF B2).

PROJECTS

Honours Project: Adding Object Detection Skills to Visual Dialogue Agents

ECCV 2018 SIVL Workshop, Munich

- Used Mask R-CNN to improve performance of Dialogue Agent on GuessWhat?! Dataset.
- This project was done under supervision of Elia Bruni at ILLC, Amsterdam.

Honours Project: Improving Latent Space Representation Learned by Normalizing Flows

- Used Sylvester Normalizing Flows to investigate reasons for good performance of Normalizing Flows in Variational Inference setting.
- This project was done under supervision of Dr. Rianne van den Berg at AMLab, Amsterdam.

Reinforcement Learning Course Final Project: Evaluating Demonstrations

- In this project, as a team, we were researching if it is possible to learn optimal policies from sub-optimal demonstrations.
- Within this project, I have implemented DQN algorithm as well as the pipeline for saving and re-using trajectories for model training.