ANDRII SKLIAR

Artificial Intelligence Master Student

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EDUCATION

MSc in Artificial Intelligence

University of Amsterdam

Sep 2017 - Currently Netherlands

- Honors programme
- GPA: 8.8/10

BSc in System Analysis

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

Sep 2013 - Jul 2017 Ukraine

- GPA: 4.74/5, Top 5% of the Year Group

Erasmus+ Exchange Semester

University of Groningen

Sep 2016 - Feb 2017 Netherlands

- Took Bachelor- and Master- level courses in Computer Science and Artificial Intelligence
- GPA: 7.9/10

Data Science Summer School

Ukrainian Catholic University

Jul 2017 Lviv, Ukraine

EXPERIENCE

Research Intern

QUVA Lab

May 2019 – Currently Netherlands

- I am writing my Master's thesis in collaboration with QUVA Lab under supervision of Maurice Weiler.

Lecturer

Holland International Study Centre

April 2019 – Currently Netherlands

Teaching Assistant

University of Amsterdam

Sep 2018 – Currently Netherlands

- I was assisting in Master courses in Machine Learning, Information Retrieval. I am currently assisting in Deep Learning Master course.

Artificial Intelligence Intern

IBM Extreme Blue

Jun 2018 - Sep 2018 Amsterdam, Netherlands

Technology stack: Swift, Python

- Together with 3 other students, we came up with a solution for a problem coming from IBM's strategic client. Solution consisted of the mobile app and detailed business plan.
- Our project won the "Project with highest potential impact" award.

Software Engineer

Intetics Inc.

Feb 2017 - Aug 2017 Kyiv, Ukraine

Technology stack: Haskell, MySQL, Python, PHP

Team Leader

BIONIC University Dev Studio

Apr 2016 - Jul 2016 Kyiv, Ukraine

Technology stack: C#, ASP.NET MVC, MS SQL, JavaScript

SKILLS

- **Machine Learning**: strong knowledge of theoretical foundations of Machine Learning as well as current trends in the research society 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) 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 9.0/10), German (TestDaF B2)

PROJECTS

Honors Project: Adding Object Detection Skills to Visual Dialogue Agents

- 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. It resulted in publication at ECCV 2018 Workshop on Shortcomings in Vision and Language.

Honors 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.

Comparison of Intellectual Systems of Decision Making in Incomplete Information Games

- In this article, I am discussing various machine learning approaches to playing games with incomplete information.
- It has been part of my thesis in which I have implemented an evolutionary algorithm-based agent for playing poker.