ANDRII SKLIAR

Artificial Intelligence Master Student

@ andrii.skliar@student.uva.nl in linkedin.com/in/andriiskliar github.com/askliar
Amsterdam, Netherlands

EDUCATION

MSc in Artificial Intelligence

University of Amsterdam

Sep 2017 - Currently Netherlands

- 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.
- GPA: 8.8/10

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

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.
- In my thesis I am investigating how Convolutional and Graph Neural Networks can benefit from working in Non-Euclidean spaces.

Lecturer

Holland International Study Centre

April 2019 – Currently 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

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 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.