

Piotr Tarasiewicz

+48 506 046 433 | taras.piotr@gmail.com | [linkedin.com/in/taraspiotr](https://www.linkedin.com/in/taraspiotr) | github.com/taraspiotr

EDUCATION

University College London

London, UK

Machine Learning MSc

Sep. 2020 – Sep. 2021 (projected)

- Courses in Deep Learning, Reinforcement Learning (DeepMind), Kernel Methods (Gatsby Unit), Probabilistic and Unsupervised Learning (Gatsby Unit), Approximate Inference (Gatsby Unit), Supervised Learning, Natural Language Processing.

Warsaw University of Technology

Warsaw, Poland

Bachelor of Science in Robotics

Oct. 2014 – March 2018

- Graduated with summa cum laude distinction, (Cumulative Grade 4,84/5).
- Three-time winner of the Chancellor's Scholarship for Academic Excellence.
- Thesis title: Applications of artificial intelligence for games with imperfect information.

XIV High School

Warsaw, Poland

Class with experimental maths profile

Sep. 2011 – April 2014

EXPERIENCE

Data Scientist

March 2020 – Sep. 2020

AdColony Inc.

Warsaw, Poland

- Tech stack: Python, PyTorch, BigQuery, SQL, Airflow.
- Build machine learning models for users CTR and IPM prediction for one of the largest ad networks.
- Design and prototype probabilistic model for market landscape prediction in RTB auctions.
- Build a reinforcement learning model to optimize the trade off between exploitation and exploration of the new supply and demand.

Data Scientist

April 2018 – March 2020

deepsense.ai (CodiLime Group)

Warsaw, Poland

- Tech stack: Python, PyTorch, SQL, Tensorflow (Tensorpack), scikit-learn, lightgbm.

Data Scientist III

Oct. 2018 - March 2020

- Technical leader of a project that developed model predicting over 30% of out of stock situations for one of the biggest e-commerce company in Poland.
- Member of a team that created RL Agent (A3C algorithm) for stock trading.
- Created an algorithm for matching mobile advertisers with publishers (reach of more than 1.5 billion users worldwide).
- Created Deep Learning model for annotating damaged products on the images.

Data Scientist II

April 2018 - Sep. 2018

- Co-author of a winning solution for Mapping Challenge that achieved 0.95 mAP score on segmenting satellite images.

Software Engineer Intern

June 2016 – March 2017

Robert Bosch GmbH

Warsaw, Poland

- Development of web and windows applications in .NET using NX (Siemens PLM Software) API to automate engineering work.
- I've reduced running time of an algorithm to remove sensitive design information from 3D models by 80% (in C++).
- Started a project for AgroBot - an autonomous robot to monitor greenhouses (using Python and ROS).

Software Engineer Intern

February 2016

AB-Micro

Warsaw, Poland

- Programming a game on a PLC controller as a part of the project for Automaticon: International Fair for Industrial Automation.

PROJECTS

Auxiliary Tasks in Reinforcement Learning

June 2020 – Present

- Try to understand when it's better to know than to learn to know (use additional signal as an input or as an auxiliary tasks) across reinforcement learning tasks.
- Introduce a hybrid approach with progressive nets (additional signal both as an input and output).
- Use Soft Actor Criting and PPO algorithms as baselines.
- Conducted in cooperation with RL researchers from University of Warsaw and Jagiellonian University in Poland.

Universcan

Nov. 2015 – June 2018

- Back-end Developer and Webmaster and the Warsaw University of Technology coordinator in a social project that reached tens of thousands of young people by creating a free mobile app for sharing academic events in Warsaw. Working with Facebook Graph API to automatically index and categorize all academic events in Warsaw.

TECHNICAL SKILLS

Languages: Python, SQL, Julia, C/C++

Frameworks: PyTorch, Tensorflow

Developer Tools: Git, Docker, Jenkins, Google Cloud Platform, Linux

Libraries: pandas, NumPy, Matplotlib, xgboost, scikit-learn, lightgbm, SciPy