Contact

www.linkedin.com/in/sakryukin
(LinkedIn)

Top Skills

Machine Learning

Mobile Applications

Image Processing

Languages

English (Full Professional)

Chinese (Limited Working)

Russian (Native or Bilingual)

Certifications

Game Theory

Fundamentals of Project Planning
and Management

Chinese for HSK 1

End-to-End Machine Learning with
TensorFlow on GCP

Honors-Awards

ERASMUS+

Singapore International Pre-
Graduate Award (SIPGA)

Dean's List Award

Dean's List Award

Dean's List Award

Publications

Finding attractors by shrinking and
growing Boolean networks

ChibiFace: A Sensor-Rich Android
Tablet-Based Interface for Industrial
Robotics

Andrey Sakryukin, Ph.D.

Data Scientist at Carousell
Singapore

Experience

Carousell
Data Scientist
September 2020 - Present (8 months)
Singapore

- Engaged in the full development cycle of AI solutions

ADDO AI
2 years

AI Team Lead
March 2020 - September 2020 (7 months)
Singapore, Singapore

Machine Learning Engineer
October 2018 - March 2020 (1 year 6 months)
Singapore

End-to-end development of Machine Learning Solutions:

- Exploratory Data Analysis: Data Analysis, Feature Selection, Feature
Engineering, Dimensionality Reduction
- Machine Learning models development: Neural Networks (FC, CNN, RNNs),
Decision Trees, SVM, Bayesian Models. Working with Supervised and Un-
Supervised settings.
- AI Consulting: understanding business problems and designing solution
helping achieve desired goals.
- Data visualization: TensorSpace.js, Matplotlib
Programming language: Python
Tools: TensorFlow, Keras, Pandas, Scikit
Developed solution for: Singtel, ThaiOil, CDG

Ubisoft
Data Scientist
August 2019 - September 2020 (1 year 2 months)
Singapore

Conducting Research works on:

- Multi-Agent Reinforcement Learning

- Reinforcement Learning for High-dimensional action spaces
- Problems of Exploration and Local minima

National University of Singapore
Research Assistant
January 2017 - September 2020 (3 years 9 months)
Singapore

Focusing on solving following problems:

- Lightweight incremental learning for Recommender systems
- Deep Reinforcement Learning for high-dimensional action spaces
- Deep Reinforcement Learning for goal-based navigation tasks and problems of local minima
- Multi-agent and adversarial Reinforcement Learning

Alibaba Group
Research Intern
June 2018 - September 2018 (4 months)
Hangzhou, Zhejiang, China

- Working on a real-time anomaly detection system
- Unsupervised learning
- Changepoint detection

Tech: Python, AliCloud (阿里云), Pai Platform, DingTalk Bot

Newton, IE
Co-Founder and CTO
October 2014 - May 2016 (1 year 8 months)
Astana, Kazakhstan

Supervised development of the mobile applications. Had a team of Android, iOS and Web Developers. Overall 5-7 people.
- designed the structure of the project
- prepared PID, Technical Requirements, Software Requirements Specification Documents
- prepared final reports and presentations
- Supervised work and led meetings
- Communicated with customers

Developed android applications.

Main projects were start-ups and governmental orders. Mostly worked with

- Android SDK

- Google Maps

- Yandex Maps

- OpenCV

and other including Facebook, VK API and etc.

A*STAR - Agency for Science, Technology and Research
Junior Research Assistant
January 2016 - April 2016 (4 months)

Cyber Security Team.

Worked on adaptive attack mitigation for systems with/without LQG-conrol and
Kalman filter

Nazarbayev University
Student Researcher
June 2012 - January 2016 (3 years 8 months)
Astana, Kazakhstan

Worked on Image Processing, Machine Learning and Graph Theory Projects

- Java/Matlab coding

- OpenCV

- PocketSphinx

- Face detection/Recognition

- Speech detection/Recognition

- Android app developement

SmartMoPe, LLP
Co-Founder and CTO
June 2013 - October 2014 (1 year 5 months)
Astana, Kazakhstan

Supervised development of the mobile applications. Had a team of Android,
iOS and Web Developers. Overall 3 people.

- designed the structure of the project

- prepared PID, Technical Requirements, Software Requirements Specification
Documents

- prepared final reports and presentations

Education

National University of Singapore
Doctor of Philosophy (PhD), Artificial Intelligence · (2017 - 2020)

Université de Bourgogne

Master's Degree, Medical Imaging · (2016 - 2016)

University of Wisconsin-Madison

Bachelor's degree, Mechatronics, Robotics, and Automation
Engineering · (2012 - 2016)

UCL

Undergraduate Preparatory Certificate, Mathematics and
Physics · (2011 - 2012)

Nazarbayev University

Bachelor's Degree, Mechatronics, Robotics, and Automation
Engineering · (2012 - 2016)