

# Georgy Savva

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## RESEARCH INTERESTS

Multimodal Learning, Representation Learning, Image Generation, Reinforcement Learning, Intelligent Agents

## EDUCATION

<b>New York University</b> <i>Master of Science in Computer Science, Courant Institute of Mathematical Sciences</i>	New York, New York 2024 – Expected 2026
<b>Russian University of Cooperation</b> <i>Bachelor of Science in Computer Science</i>	Moscow, Russia 2019 – 2021
<b>National Research Nuclear University MEPhI</b> <i>2 years toward Bachelor of Science in Computer Science</i>	Moscow, Russia 2014 – 2016

## RESEARCH EXPERIENCE

<b>Graduate Research Assistant</b> <i>New York University, Advised by Prof. <a href="#">Lerrel Pinto</a></i>	Jun 2024 – Present New York, NY
<ul style="list-style-type: none"><li>Trained a behavior cloning policy using transformers on third-person human demonstrations data to solve dexterous robotic hand tasks</li><li>Setup an auto-resettable reinforcement learning environment for online robot training using the spacemouse device</li></ul>	

## PUBLICATIONS

- HuDOR: Bridging the Human to Robot Dexterity Gap through Object-Oriented Rewards*  
I. Guzey, Y. Dai, **G. Savva**, R. Bhirangi, L. Pinto.  
ICRA 2025 (Under Review). [Paper](#)

## PROJECTS

<b>Open-Source Library <a href="#">Scany</a></b>	May 2020 – Present
<ul style="list-style-type: none"><li>Created an open-source library to map data from a database into Go objects. The library has 1,300 stars on GitHub and is used by thousands of companies</li></ul>	

## INDUSTRY EXPERIENCE

<b>Senior Software Engineer</b> <i>Raylu</i>	Oct 2023 – May 2024 New York, NY
<ul style="list-style-type: none"><li>Led the development of the backend of an LLM-powered Q&amp;A chatbot for healthcare and deployed it to production to serve the first paying customers</li><li>Developed an LLM-powered SaaS workflow automation application using an open source workflow engine activepieces, allowing the company to release a new product in under 3 months</li></ul>	
<b>Technical Co-Founder</b> <i>Scifind</i>	Jul 2022 – August 2023 Los Angeles, CA
<ul style="list-style-type: none"><li>Launched a troubleshooting platform for bioscientists into production, gaining 4,000 MAU in the first 2 months</li><li>Led the development of the product with a team of 2 engineers using TypeScript, Next.js, and Node.js</li></ul>	
<b>Senior Software Engineer</b> <i>IOTA</i>	Jan 2021 – Jul 2022 Berlin, Germany
<ul style="list-style-type: none"><li>Developed a new network layer of the blockchain node using libp2p, decreasing the number of peering errors by 70%</li><li>Set up automatic deployment via Ansible and GitHub Actions, accelerating the development speed by 25%</li><li>Introduced Go guidelines to the project and tools to ensure them, reducing the frequency of bugs by 50%</li></ul>	

## Senior Software Engineer

Jan 2020 – Jan 2021

*Elsa*

*San Francisco, CA*

- Implemented App Store and Google Play in-app subscriptions as microservices using FastAPI, which improved the correctness of billing by 50%
- Integrated payment gateway Instamojo, increasing the number of app purchases in Asia threefold

## Software Engineer

Mar 2017 – May 2019

*Edwin.ai*

*San Francisco, CA*

- Participated in building the English tutor chatbot from a prototype stage to being the top 1 bot on Facebook
- Implemented a YAML-file-based framework for building dialog systems, which allowed the company to launch a new product on Google Assistant
- Designed a distributed queue using PostgreSQL to handle messages from 800,000 users
- Developed the user knowledge graph service using Neo4j, improving the performance of read queries threefold

## Software Engineer

Jun 2016 – Mar 2017

*Snaappy*

*Moscow, Russia*

- Rewrote the messaging service in Go, which increased the backend performance fivefold
- Migrated the chat storage from PostgreSQL to MongoDB, allowing horizontal scalability for the data layer
- Implemented a WebSocket service for real-time updates using Go, driving user engagement by 30%

## SKILLS

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**Languages:** Python, SQL, Go, TypeScript

**Libraries:** PyTorch, Gym, Optuna, TensorFlow, Numpy, Pandas, FastAPI, React, Node.js

**Tools:** Docker, Kubernetes, PostgreSQL, AWS, GraphQL, Hasura

## CERTIFICATIONS

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### Probability & Statistics for Machine Learning & Data Science

Sep 2024

*DeepLearning.AI, GPA: 93/100*

### Improving Deep Neural Networks

Jun 2023

*DeepLearning.AI, GPA: 98/100*

### Neural Networks and Deep Learning

May 2023

*DeepLearning.AI, GPA: 97/100*

### YC Summer Startup School

Aug 2022

*Y Combinator*

### Intro to Machine Learning

Jul 2022

*Kaggle*

### Mathematics for Machine Learning: Multivariate Calculus

Dec 2021

*Imperial College London, GPA: 96/100*

### Mathematics for Machine Learning: Linear Algebra

Dec 2021

*Imperial College London, GPA: 96/100*