Georgy Savva

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Research Interests

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

EDUCATION

New York University

New York, United States

Master of Science in Computer Science, Courant Institute of Mathematical Sciences

2024 - Expected 2026

Russian University of Cooperation

Moscow, Russia

Bachelor of Science in Computer Science

2019 - 2021

National Research Nuclear University MEPhI

Moscow, Russia

2 years toward Bachelor of Science in Computer Science

2014 - 2016

Research Experience

Graduate Research Assistant

Jun 2024 – Present

NYU Courant Institute of Mathematical Sciences, Advised by Prof. Lerrel Pinto

New York, United States

- Setup an auto-resettable reinforcement learning environment for online robot training using the spacemouse device
- Applied online reinforcement learning to fix the human demonstration morphology gap for dexterous robotic manipulation
- Trained a behavior cloning policy using transformers on third-person human demonstration data to solve dexterous robotic hand tasks

Publications

1. 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

Open-Source Library Scany

May 2020 - Present

• 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

Industry Experience

Senior Software Engineer

Oct 2023 – May 2024

Raylu

New York, United States

- Led the development of the backend of an LLM-powered Q&A chatbot for healthcare and deployed it to production to serve the first paying customers
- Developed an LLM-powered SaaS workflow automation application using the open source workflow engine active pieces, allowing the company to release a new product in under 3 months

Technical Co-Founder

Jul 2022 – August 2023

Scifind

IOTA

Los Angeles, United States

- Launched a troubleshooting platform for bioscientists into production, gaining 4,000 MAU in the first 2 months
- Led the development of the product with a team of 2 engineers using TypeScript, Next.js, and Node.js

Senior Software Engineer

Jan 2021 – Jul 2022

Berlin, Germany

• Developed a new network layer of the blockchain node using libp2p, decreasing the number of peering errors by

- Set up automatic deployment via Ansible and GitHub Actions, accelerating the development speed by 25%
- Introduced Go guidelines to the project and tools to ensure them, reducing the frequency of bugs by 50%

Senior Software Engineer

Elsa

Jan 2020 – Jan 2021

San Francisco, United States

• 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, United States

- 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

Languages: Python, SQL, Go, TypeScript

Imperial College London, GPA: 96/100

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

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

CERTIFICATIONS

Probability & Statistics for Machine Learning & Data Science DeepLearning.AI, GPA: 93/100	Sep 2024
Improving Deep Neural Networks DeepLearning.AI, GPA: 98/100	Jun 2023
Neural Networks and Deep Learning DeepLearning.AI, GPA: 97/100	May 2023
$\frac{\mathbf{YC} \ \mathbf{Summer} \ \mathbf{Startup} \ \mathbf{School}}{Y \ \mathit{Combinator}}$	Aug 2022
$\frac{\textbf{Intro to Machine Learning}}{\textit{Kaggle}}$	Jul 2022
Mathematics for Machine Learning: Multivariate Calculus Imperial College London, GPA: 96/100	Dec 2021
Mathematics for Machine Learning: Linear Algebra	Dec 2021