Georgy Savva

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RESEARCH INTERESTS

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

EDUCATION

New York University	New York, New York
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
New York University, Advised by Prof. Lerrel Pinto	*New York, NY*

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

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, NY*

- 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 an open source workflow engine activepieces, allowing the company to release a new product in under 3 months

Technical Co-Founder	Jul 2022 – August 2023
Scifind	*Los Angeles, CA*

- 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
IOTA	*Berlin, Germany*

- Developed a new network layer of the blockchain node using libp2p, decreasing the number of peering errors by 70%
- 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   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

Languages: Python, SQL, Go, TypeScript
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   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