

# Georgy Savva

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## Summary

Computer science student with seven years of professional software engineering experience and self-taught foundations in machine learning. Interested in machine learning research, specifically reinforcement learning.

## Skills

**Python | Deep Learning | Reinforcement Learning | NLP | Computer Vision | PyTorch | TensorFlow | SQL | Distributed Systems | Systems Design | Docker | Go**

## Education

**Russian University of Cooperation**, 2019 - 2021

Bachelor of Science - Computer Science

**National Research Nuclear University MEPhI**, 2014 - 2016

Bachelor of Science - Cybersecurity

## Courses & Certifications

- [Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization](#) - DeepLearning.AI GPA: 98/100
- [Generative AI with Large Language Models](#) - DeepLearning.AI GPA: 91/100
- [Structuring Machine Learning Projects](#) - DeepLearning.AI GPA: 87/100
- [Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization](#) - DeepLearning.AI GPA: 98/100
- [Neural Networks and Deep Learning](#) - DeepLearning.AI GPA: 97/100
- [Mathematics for Machine Learning: Linear Algebra](#) - Imperial College London GPA: 96/100
- [Mathematics for Machine Learning: Multivariate Calculus](#) - Imperial College London GPA: 96/100
- [YC Summer Startup School](#) - Y Combinator
- **Sports Programming** - National Research Nuclear University MEPhI

## Professional Experience

### **Technical Co-Founder**, Scifind — *(Jul 2022 - May 2023)*

- Led the development of the platform from scratch and launched it into production, gaining 4K MAU in the first few months.

### **Senior Software Engineer**, IOTA — *(Jan 2021 - Jul 2022)*

- Developed a new optimized network and peering layers of the node. Switched from an in-house-built solution to Libp2p, which stabilized nodes' communication. Implemented spam protection mechanism.
- Set up IAAC for staging and production environments with automatic deployment via Ansible and GitHub Actions.

### **Senior Software Engineer**, Elsa — *(Jan 2020 - Jan 2021)*

- Replaced a Django monolith with microservices, which improved the robustness and correctness of the system.
- Implemented payments and recurrent subscriptions. Designed and delivered both Apple and Google in-app purchases services. Also integrated Asia-specific payment gateway, Instamojo.

### **Software Engineer**, Edwin.ai — *(Mar 2017 - May 2019)*

- As a founding engineer, participated in product development from a prototype stage to the top 1 bot on Facebook in the Education category with more than 800,000 users.
- During a hackathon inside the company, implemented a framework for building dialog systems

### **Senior Software Engineer**, Localistico — *(Jun 2019 - Jan 2020)*

- Developed and maintained the gateway service that integrated with the external platforms' APIs.

### **Software Engineer**, Snaappy — *(Jun 2016 - Mar 2017)*

- Migrated from a monolith written in Python to microservices in Go. Optimized PostgreSQL schema and indexes. Moved the most loaded tables from PostgreSQL to MongoDB, allowing the backend to handle the growing user base.
- Implemented and shipped a Websocket service for real-time updates written in Go.

## Projects

### **Open-Source Library Scany** — *(May 2020 - Present)*

Created an open-source library to map data from the database into Go objects. It has over a thousand stars on GitHub and is used by thousands of companies and individual developers:

<https://github.com/georgysavva/scany>.

### **Fintech Project** — *(December 2015 - June 2016)*

Joined a Computer Science faculty member in a fintech project at the National Research Nuclear University MEPhI, where I helped rewrite the backend for a payment system.