

# Georgy Savva

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## SUMMARY

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Computer science student with 8 years of professional software engineering experience and self-taught foundations in deep learning, reinforcement learning, NLP, and computer vision.

## SKILLS

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

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

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

## EDUCATION

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### New York University

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

New York, New York

2024 – Expected 2026

### Russian University of Cooperation

*Bachelor of Science in Computer Science*

Moscow, Russia

2019 – 2021

### National Research Nuclear University MEPhI

*2 years toward Bachelor of Science in Computer Science*

Moscow, Russia

2014 – 2016

## PROJECTS

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### Open-Source Library Scany

May 2020 – Present

- Created an open-source library to map data from a database into Go objects. The library has 1,200 stars on GitHub and is used by thousands of companies

## EXPERIENCE

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### Technical Co-Founder

*Scifind*

Jul 2022 – August 2023

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

*IOTA*

Jan 2021 – Jul 2022

Berlin, Germany

- Developed the new network layer of the 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 2 times

### Senior Software Engineer

*Elsa*

Jan 2020 – Jan 2021

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 by 3 times

### Software Engineer

*Edwin.ai*

Mar 2017 – May 2019

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 by 3 times

### Software Engineer

*Snaappy*

Jun 2016 – Mar 2017

Moscow, Russia

- Rewrote the messaging service in Go, which increased the backend performance by 5 times
- 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%

## CERTIFICATIONS

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### Improving Deep Neural Networks

Jun 2023

*DeepLearning.AI, Grade: 98/100*

### Neural Networks and Deep Learning

May 2023

*DeepLearning.AI, Grade 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, Grade 96/100*

### Mathematics for Machine Learning: Linear Algebra

Dec 2021

*Imperial College London, Grade 96/100*