

# Maksim Kuznetcov

Backend Software Engineer (**Golang, Python**) · Computer Science Teacher · Ex-Compiler Engineer  
Moscow, Russia | [maks.kuznetsov@gmail.com](mailto:maks.kuznetsov@gmail.com) | [github.com/mkuznets](https://github.com/mkuznets) | [linkedin.com/in/mkuznets](https://linkedin.com/in/mkuznets)

## Experience

**Software Engineer**, Jan 2017 – Dec 2019

*Yandex (Moscow)*

- Designed, built, and maintained backend services for business and software development infrastructure (**REST API, Python, PostgreSQL, MongoDB**).
- Improved performance, stability, and observability of large-scale distributed systems.
- Collaborated with other teams to establish and improve integrations across software development tools and services.

**Software Engineer Intern**, Jun 2011 – Jun 2013

*Intel Corporation (Moscow)*

- Contributed to AVX-512 support in GCC (**C, x86 assembly**); the patches have been [accepted to GCC 4.9](#) in 2014.
- Implemented an AVX-512 specific optimisation in GCC resulted in 1% improvement on SPECfp benchmark.

## Teaching

**Introduction to Algorithms**, Jan 2017 – Jun 2020

*Higher School of Economics (Moscow)*

- Gave lectures and seminars; designed homework assignments; conducted exams.
- Built an [online platform](#) (**Golang**) with auto-graded programming assignments for students.

**Computer Architecture**, Oct 2015 – May 2016

*University of Hertfordshire (Hatfield, UK)*

- Gave supplemental lectures; designed homework assignments.

## Education

**University of Hertfordshire (UK)**, Jan 2014 – Jul 2016

*MSc by Research, Computer Science.*

- Thesis: *Data-Driven Self-Tuning in a Coordination Programming Language*.

**Moscow Institute of Physics and Technology**, Sep 2009 – Feb 2014

*BSc, Applied Mathematics and Physics.*

- Thesis: *On Element-Wise Predicates Support in GCC Autovectorisation*.