Slava Shklyaev

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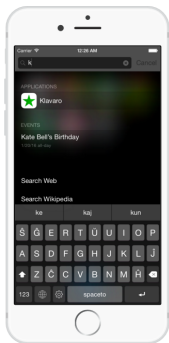
Experience

2018–Present **Google – Software Engineer III**, London, UK.
- Developed a framework for hardware acceleration of neural networks on Android phones.
- Designed and implemented key features, such as control flow and vendor extensions.
- Wrote in C++, Python, Java.
- Also worked on a side project in fashion sustainability.

Summer 2018 **Amazon – Software Development Intern**, Berlin, Germany.
- Improved performance of a contextual multi-armed bandit machine learning service.
- Profiled Scala and Java code with flame graphs.

Summer 2017 **Google – Software Engineering Intern**, New York, NY.
- Machine learning for Knowledge Engine triggering and ranking on Google Search.
- Designed and implemented a TensorFlow model with incremental learning support.
- Ran automated experiments and hyperparameter searches.
- Compared the model to the baseline solution. Reported ways to improve both solutions.

Summer 2016 **Google – Software Engineering Intern**, Mountain View, CA.
- Machine learning for a crowdsourcing platform.
- Created large-scale data processing pipelines.
- Built TensorFlow models for computer vision.
- Used scikit-learn, interactive notebooks, and SQL for data analysis.
- Wrote in C++, Python, Java, and JavaScript.

Education

2014–2018 **American University in Bulgaria**, Blagoevgrad, Bulgaria.
Bachelor's degree in Mathematics, Cum Laude.

2008–2012 **Summer schools for advanced algorithms, computer security, and math**, Russia.
Prepared for programming, information security, and math competitions.

Featured Projects

Klavaro   slava-sh.github.io/klavaro
Esperanto keyboard for iOS with word suggestions.

Messenger   github.com/slava-sh/messenger
Messaging platform with a microservice architecture built with Django REST framework, RabbitMQ, Node.js, ReactJS, SockJS, Docker Compose, and nginx.

Scheduler   github.com/slava-sh/scheduler
Job distribution system for judging programming competitions in real time. Evolutionary algorithm optimizes performance. Written in Go in 1 week. Ranked 4th out of 104 solutions.

Code Plagiarism Detector   github.com/slava-sh/code-plagiarism-detector
I was challenged with detecting plagiarized solutions on programming competitions and came up with a relatively simple but efficient machine learning solution. C++, R, Pandas, Matplotlib.

Monty Hall   monty-hall.ucteam.ru
Browser game about the famous probability paradox.
Written with Laravel PHP framework and Python's svgwrite.

Yellow   github.com/slava-sh/yellow
Tetris game written in C#.

Umqra   slava-sh.github.io/umqra/enemy-rush.html
Browser game written in Elm, a Haskell-inspired language for the web.

Reduced Ordered Binary Decision Diagrams   github.com/slava-sh/robdd
Haskell library for manipulating Boolean functions.

Stack Overflow Hall of Fame   stackexchange.com/about/security
Found a serious security vulnerability on stackoverflow.com. Featured on the Hall of Fame.