Slava Shklyaev

slava@slava.sh
github.com/slava-sh

Experience

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.

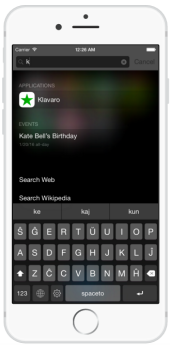
- Machine learning for a crowdsourcing platform.
- Created large-scale data processing pipelines.
- Built TensorFlow models for computer vision.
- Used scikit-learn, interactive notebooks, and SQL for data analysis.
- Wrote C++, Python, Java, and JavaScript.

Education

2014–Present **American University in Bulgaria**, Blagoevgrad, Bulgaria.
Bachelor's degree in Mathematics
Expected graduation: May 2018

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

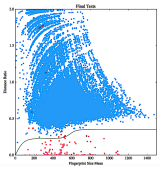
Featured Projects



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

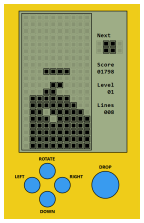
Messenger github.com/slava-sh/messenger
Messaging platform with a microservice architecture.
Technologies: Docker Compose, Django REST framework, RabbitMQ, Node.js, ReactJS, SockJS, and nginx.

Scheduler github.com/slava-sh/scheduler
Job distribution system for judging programming competitions in real time.
Evolutionary algorithm optimizes testing 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.
Technologies: 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.

Contributions

Stack Overflow

- Found a serious security vulnerability on stackoverflow.com.
- Featured on the Stack Exchange Security Hall of Fame.

gunicorn, Python WSGI HTTP server.

- Fixed a bug and improved documentation.