

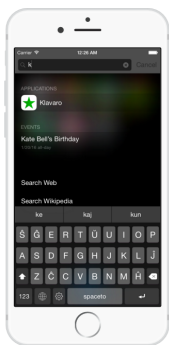
Experience

- 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.
- Explored applications of 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.

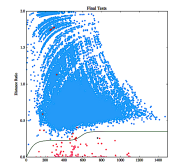
Featured Projects



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](#).

- unicorn**, Python WSGI HTTP server.
- Fixed a [bug](#) and improved [documentation](#).