Ruslan **Sakevych**

SOFTWARE ENGINEERING INTERN · GOOGLE INC.

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Education

Taras Shevchenko National University of Kyiv	*Kyiv, Ukraine*
B.S. IN COMPUTER SCIENCE AND ENGINEERING	*Sep 2014 - Jun 2018(expected)*

- **Top 1** in university rating based on academic achievements.
- Grade average **GPA 4.96**(out of 5.0)

Employment

Google Inc.	*Mountain View, U.S.*
SOFTWARE ENGINEERING INTERN IN DEVELOPER INFRASTRUCTURE	*Apr 2017 - Jul 2017*

- Trained model for build/test run-time prediction.
- Performed ML feature engineering to create more complicated and robust models.
- Helped with monitoring, analysis and investigation of issues in complex build system.
- Created tools for ML model debugging and batching service efficiency evaluation.
- Java; Go; Python; Machine Learning; SQL; MapReduce; NumPy; matplotlib; Closure Templates; pprof

Google Inc.	*Mountain View, U.S.*
SOFTWARE ENGINEERING INTERN IN DEVELOPER INFRASTRUCTURE	*May 2016 - Aug 2016*

- Designed service that rearranges targets inside builds to reduce overall resources usage.
- Performed evaluation of different batching strategies, based on memory and time optimization.
- Developed ML models to predict build memory usage and avoid out of memory errors.
- Java; Go; Python; Machine Learning; SQL; Guice; Guava; gRPC; Protocol Buffers; Bazel

Projects

Resolution Theorem Proving	*2 month*
BASED ON SEQUENTIAL METHOD	*2 engineers*

- Service to make resolution proofs using classic first-order logic. Generates counterexample if one exists.
- Java; Javascript; Spring Boot; D3.js; MathJax; RESTfull; Maven

Smart Pacmans	*1 month*
NEURAL NETWORK EVOLUTION	*2 engineers*

- Attempt to train neural network using genetic algorithms.
- Put neural networks in simple environment with basic laws of nature(e.g. selection, mutation, crossing) and watch how they evolve.
- C#; XNA Game Studio; Neural Network Toolbox

Neural Networks Toolbox	*3 weeks*
EXPERIMENT WITH NEURAL NETWORKS	*2 engineers*

- Library with low-level elements to build different kind of neural networks.
- Contains some pre-implemented neural networks and algorithms for supervised and unsupervised learning with examples.
- C#; C++

Additional experience

AWARDS

2017	**9th place out of 116,** ACM ICPC Quarterfinals(NEERC)	*Kyiv, Ukraine*
2014	**2nd place out of 197,** Crypto Cup 1.0 on Codeforces	*online*
2012/14	**Bronze medal,** All Ukrainian School Olympiad in Informatics(UOI)	

EXTRACURRICULAR

2015	**1st year in Computer Science,** The Yandex School of Data Analysis	*Kyiv, Ukraine*
2015/16	**Judge & Problem Setter,** XXII/XXIII All Ukrainian Tournament of Champions(maths, informatics)	*Vinnitsya, Ukraine*
2016	**MOOCs,** Machine Learning(Andrew Ng), Introduction to Machine Learning(Konstantin Vorontsov)	*online*