

# Ruslan Sakevych

SOFTWARE ENGINEERING INTERN · GOOGLE INC.

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## Education

### Taras Shevchenko National University of Kyiv

B.S. IN COMPUTER SCIENCE AND ENGINEERING WITH MINOR IN MATHEMATICS

Kyiv, Ukraine

Sep 2014 - Jun 2018(expected)

- **Top 3** in university rating based on academic achievements.
- Grade average **GPA 4.0**

## Employment

### Google Inc.

SOFTWARE ENGINEERING INTERN IN DEVELOPER INFRASTRUCTURE

Mountain View, US

May 2016 - Aug 2016

- Created service to generate builds out of targets.
- Performed evaluation of different batching strategies, based on memory and time optimization.
- Developed ML models to predict build memory usage and avoid OOM(Out Of Memory) errors.
- Java; Go; Python; Machine Learning(Sibyl); MapReduce(Flume); SQL(Dremel); Protocol Buffers; gRPC; Guava; Guice; JUnit; Truth; Bazel

## Projects

### Resolution Theorem Proving

BASED ON SEQUENTIAL METHOD

2 month

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

NEURAL NETWORK EVOLUTION

1 month

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

EXPERIMENT WITH NEURAL NETWORKS

3 weeks

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

- 2016 **15th place out of 97**, ACM ICPC Quarterfinals(SEERC)
- 2015 **17th place out of 62**, ACM ICPC Quarterfinals(SEERC)
- 2014 **2nd place out of 197**, Crypto Cup 1.0 on Codeforces
- 2012/14 **Bronze medal**, All Ukrainian School Olympiad in Informatics(UOI)
- 2011 **Bronze medal**, All Ukrainian School Olympiad in Mathematics(UMO)

online

online

online

### EXTRACURRICULAR

- 2015 **1st year in Computer Science**, The Yandex School of Data Analysis
- 2015 **Volunteer**, Javaday 2015
- 2015/16 **Judge & Problem Setter**, XXII/XXIII Tournament of Champions(math, computer science)
- 2013/14 **Lecturer of «Algorithms & Data Structures»**, Summer school

Kyiv, Ukraine

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Vinnitsya, Ukraine

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