

Ruslan Sakevych

SOFTWARE ENGINEERING INTERN · FACEBOOK

6 Sechenova Street, apt. 735, Kyiv, 03127, Ukraine

✉ xlionell@gmail.com | 🏠 lionell.github.io

Education

Taras Shevchenko National University of Kyiv

B.S. IN COMPUTER SCIENCE

Kyiv, Ukraine

Sep 2014 - Jun 2018(expected)

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

Employment

Facebook

SOFTWARE ENGINEER INTERN ON HACK LANGUAGE

London, UK

Jan 2018 - Mar 2018

- Rearchitected Hack parser to be reactive, allowing parsing to be inlined with the computation of the result.
- 25% parse time reduction for the Hack type-checker (using most of the file contents) on the full-codebase.
- Up to 50% speed up for tools that use less information(facts extraction) on hundreds of thousands of files.
- Developed a toolset to analyze and remove unnecessary build dependencies. Resulting in 2x speed up for some builds.

Microsoft

SOFTWARE ENGINEER INTERN ON DEVELOPER DIVISION

Redmond, WA

Jul 2017 - Oct 2017

- Engineered a new workflow to automate raw telemetry data aggregation and transformation.
- System monitors execution of user-defined query and publishes results back to data warehouse.
- Used for intermediate metrics aggregation to reduce data volumes and speed up queries.

Google

SOFTWARE ENGINEERING INTERN ON DEVELOPER INFRASTRUCTURE

Mountain View, CA

Apr 2017 - Jul 2017

- Research on build/test time prediction. Performed training data analysis, model evaluation and feature engineering.
- Created tools for ML models debugging/visualization and core service efficiency evaluation.
- Helped investigating and managing incidents in complex build infrastructure at Google scale.

Google

SOFTWARE ENGINEERING INTERN ON DEVELOPER INFRASTRUCTURE

Mountain View, CA

May 2016 - Aug 2016

- Engineered a service that clusterizes build targets to reduce overall resources usage.
- Performed evaluation of different batching strategies: memory, run-time optimization.
- Trained ML models to predict build memory usage and avoid out of memory errors.

Projects

Resolution Theorem Proving

BASED ON SEQUENTIAL METHOD

1 month

2 engineers

- Developed a service that proves theorems in classic first-order logic.
- Tool shows a tree generated by sequential method, and counterexample if there is one.

Smart Pacmans

NEURAL NETWORK EVOLUTION

2 month

1 engineer

- Interesting attempt to train neural network using genetic algorithms.
- See how fast can NN evolve in the environment with basic laws of nature(selection, mutation, crossing).
- Implementation based on self-written library for low-level NN manipulations.

Awards

2017 **9th place out of 116**, ACM ICPC Quarterfinals(NEERC)

Kyiv, Ukraine

2016 **15th place out of 97**, 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)