

Roman Tsegelskyi

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EDUCATION

PURDUE UNIVERSITY

MS IN COMPUTER SCIENCE

May 2015 |

West Lafayette, IN

Cum. GPA: 3.94/4

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE

BS IN SYSTEM ANALYSIS

June 2013 | Kyiv, Ukraine

GPA: 3.7 / 4.0

LINKS

Github:// [romantsegelskyi](#)

StackOverflow:// [Roman Tsegelskyi](#)

LinkedIn:// [Roman Tsegelskyi](#)

Twitter:// [Roman-Tsegelskyi](#)

Personal Page/Blog://

[romantsegelskyi.github.io](#)

SEL. PROJECTS

TestR // test generation framework for R

Rjit // Implementation of R with LLVM Jit

Pander // Markdown rendering for R

SKILLS

PROFICIENT IN:

Scripting (Perl, Python, Bash)

• R • Java • Git • CI

COMFORTABLE WITH:

Compilers • Swift • Go •

C/C++ • C#

FAMILIAR WITH:

Assembly • Scala • ReactJS

EXPERIENCE

MICROSOFT

| SOFTWARE ENGINEER, OFFICE ENGINEERING

Since June 2015 | Redmond, USA

- Completed initial prototype of SourceDepot (Perforce) to Git migration tool
- Facilitated transition of multiple teams to Git
- Ported multiple internal engineering tools to use Git instead of SourceDepot (Perforce)
- Created a prototype for GitBackout (smarter git revert) tool
- Fixed multiple bugs and implemented significant extensions in NMake/MSBuild to XCode converter

PURDUE UNIVERSITY

| GRADUATE RESEARCH ASSISTANT

November 2013 – Present | West Lafayette, IN

- Worked with **Jan Vitek** on **fastR** project
- Main developer of **testR** framework that allows automatic test case generation and filtering for R.
- Presented on **useR 2014** on current state of the project.

NETCRACKER

| CUSTOMER SUPPORT ENGINEER

Sep 2012 – May 2013 | Kyiv, Ukraine

- Corporate customer support. Was responsible for support for internal TELUS' projects
- Responsible for assessing and fixing integration defects

GOOGLE SUMMER OF CODE 2014, 2015

| PARTICIPANT

May 2014 – Aug 2014, May 2015 – Aug 2015 | West Lafayette, IN

- Worked on Pander package for rendering R programming language objects in markdown.
- 70+ merge pull requests with new features, significant re-factoring and optimization.
- All code was reviewed, merged, and released in multiple versions of the package.