

# Rastislav Rabatin

☎ +421 908 824 510    @ rastislav.rabatin@gmail.com  
in <https://linkedin.com/in/rastislav-rabatin-061b79a4>

## Work experience

---

### Applied Scientist Intern

Amazon.com, Inc.

📅 July - September 2017    📍 Cambridge, MA, US

Worked on machine learning models and data pre-processing tools for Alexa natural language understanding (NLU).

### Software Engineering Intern

Amazon.com, Inc.

📅 July - September 2016    📍 Gdansk, Poland

Developed machine learning models for automation of quality evaluation of speech synthesis using digital signal processing and machine learning techniques.

**Technologies:** Python 3, Java 8, BASH, scikit-learn, boto3

### Software Engineering Intern

Google, Inc.

📅 July - September 2015    📍 Zürich, Switzerland

Wrote Google FlumeJava pipelines (similar technology to Apache Crunch or Spark) in C++ to process large datasets with metadata from music videos on youtube. Main goal was to organize this data for youtube info cards and evaluate the quality of the data.

**Technologies:** Google Flume, C++ 11, Dremel, Knowledge graph, gMock

### Embedded Linux Developer - Intern

Nuvo Technologies

📅 July - September 2014    📍 Bratislava, Slovakia

Developed RTSP server using Gstreamer library for streaming audio from bluetooth and alsa. Made a command line tool for basic operations with bluetooth audio devices. Patched BlueZ4 bluetooth daemon in order to make it work for our use cases.

**Technologies:** audio streaming, Gstreamer, bluetooth A2DP profile, dbus, Qt, BlueZ, RTSP, Glib

### Software developer - Intern

Microstep-MIS

📅 June - September 2013    📍 Bratislava, Slovakia

Microstep-MIS develops Integrated Monitoring System for meteorology, aviation, hydrology.

Worked on many little tasks which mainly included work on client side (Javascript) but also some work on Java server. For example: exporting data to .xls, dynamic icon view of alerts...

**Technologies:** Javascript, Java, HTML, CSS, Ajax

## Education

---

### Master Studies in Computer Science

Comenius University

Faculty of Mathematics, Physics and Informatics

📅 Sept 2016 - July 2018    📍 Bratislava, Slovakia  
(expected)

*Specialization:* Bioinformatics and Machine Learning

### Bachelor Studies in Computer Science

Comenius University

Faculty of Mathematics, Physics and Informatics

📅 Sept 2013 - Jun 2016    📍 Bratislava, Slovakia

Graduated with Honors (Červený diplom)

### Coursera Courses

*Machine Learning* taught by Andrew Nguyen

## Achievements

---

- 2014-2017 Received every year a scholarship for being in the *top 10% in Comenius University* among all students studying Computer Science, Applied Informatics or Cognitive Science.
- 2012/2013 *1st in Correspondence Seminar in Programming* organized by Charles University in Prague.
- 2011/2012 *17th in High School Programming League* organized by SPOJ (international competition).
- 2011/2012 *2nd place* in regional round of *Slovak Olympiad in Informatics*.
- 2010/2011 *12th place* in country round of *Slovak Olympiad in Informatics*.

## Skills

---

**Programming Languages:** C/C++, Java, Go, Pascal, Haskell

**Scripting Languages:** Python, Perl, R, Octave, BASH, Matlab

**Web Technologies:** HTML, CSS, Java Servlets, JavaScript, PHP+MySQL

**Operating Systems:** Linux/UNIX, OS X

**Version Control Systems:** git, svn, cvs

**Databases:** MySQL, PostgreSQL

**Languages:** Slovak (native), English (fluent), Czech (fluent), German (beginner)

## Extracurricular activities

---

I volunteer at non-profit organization **Trojsten** dedicated to work with talented children. I'm co-organizer of **Correspondence Seminar in Programming**. I help to prepare algorithmic problems for high school students and then grade their solutions. The problems are very similar to problems in TopCoder and other contests. I'm also responsible for organizing regular series of lectures for high school students focused on computer science, math and physics.