

Grzegorz Szpak

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EDUCATION

Master of Science, Computer Science October 2014 - December 2016
University of Warsaw, Faculty of Mathematics, Informatics and Mechanics

Bachelor of Science, Mathematics October 2014 - September 2016
University of Warsaw, Faculty of Mathematics, Informatics and Mechanics

Double Degree Program in Computer Science and Mathematics (first cycle) October 2011 - July 2014
University of Warsaw, Faculty of Mathematics, Informatics and Mechanics

- *Bachelor of Science, Computer Science* July 2014

EXPERIENCE

Software Engineer November 2017 - present
PageBites, Inc. (d.b.a. imo.im)
Palo Alto, California, USA

- Building a highly distributed system serving as a backend for a mobile messaging application used by tens of millions of users every day (Java, netty, Python)

Data Scientist January 2017 - October 2017
Growbots, Inc.
Warsaw, Poland

- Building pipelines for processing large volumes of data (Airflow, Spark)
- Building machine learning models solving various Natural Language Processing problems (Python, scikit-learn)

Software Engineer January 2016 - December 2016
DaftCode sp. z o.o.
Warsaw, Poland

- Developing a Real-Time Bidding platform (Python, C++)
- Building a machine learning model for predicting click-through rate in online advertising (Python, scikit-learn)

Software Engineering Intern September 2015 - December 2015
PageBites, Inc. (d.b.a. imo.im)
Palo Alto, California, USA

- Working on data consistency in a highly distributed system (Python)
- Detecting unwanted activities in a social network (Python)

Software Engineer October 2013 - September 2014
Lex43 Sp. z o.o. (d.b.a. SzybkaPapuga.pl)
Warsaw, Poland

- Creating web applications using Pyramid, SQLAlchemy and Ember.js
- Optimizing web server
- Part-time job

Java Developer Intern August 2013 - September 2013
Dev Team in Computer Networks Department, University of Warsaw
Warsaw, Poland

- Creating web applications using Seam, Hibernate, Maven, TestNG and Mockito

**TECHNICAL
SKILLS**

Operating Systems: Unix

Programming languages: Python, Java, C, C++, Haskell, SQL, x86 Assembly, R

Databases: Redis, Cassandra, PostgreSQL, MySQL

Frameworks: Spark, Pyramid, SQLAlchemy, Tornado, Django, Flask

Libraries: netty, scikit-learn, pandas, numpy, scipy, airflow

Tools: Git, Docker, Jupyter Notebook, Mercurial, Phabricator

Other: Distributed systems, asynchronous programming, machine learning, big data mining and processing, algorithms, object-oriented programming, relational databases, operating systems (Linux kernel), functional programming, advanced mathematical skills

LANGUAGES

English: advanced

German: intermediate

ACHIEVEMENTS

Finalist of LXII Polish Mathematical Olympiad

2011

Finalist of LXI Polish Mathematical Olympiad

2010

**OTHER
ACTIVITIES**

Grader in Polish Mathematical Olympiad
for Junior High School Students

October 2011 - December 2011,
October 2012 - December 2012,
October 2013 - December 2013