

MICHAŁ SIEDLACZEK

5423 Fort Hamilton Parkway | Apt. C3 | Brooklyn, NY 11219
+1 (929) 422 8026 | michal.siedlaczek@nyu.edu

OBJECTIVE

To enroll in a summer internship program allowing me to work in research or with cutting-edge technology

EDUCATION

New York University, Tandon School of Engineering / *PhD Student* / Computer Science *since 2015*
University of Warsaw / *MS* / Computer Science *2011 – 2013*
University of Warsaw / *BS* / Computer Science *2008 – 2011*

WORK EXPERIENCE

New York University / teaching assistant for a graduate course Introduction to Operating Systems *Fall 2016*
Syncron Poland / developed, deployed and maintained enterprise software in Java, *2013 – 2015*
utilizing frameworks and technologies such as: Spring, Hibernate, Liquibase, Oracle,
PostgreSQL, TestNG, Jenkins, Git, Gerrit, XSLT, Amazon AWS
Samsung Electronics R&D Poland / *internship* / developed a mobile application for Bada *Apr. – May 2010*

RESEARCH EXPERIENCE

New York University / combining and improving two major methods of optimizing *since Fall 2015*
query throughput in distributed search engines: tiering and clustering; utilizing machine
learning methods for training a shard selection strategy (under supervision of *Torsten Suel*)
University of Bonn / *MS thesis project* / designed algorithms generating graphs *Fall 2012*
of arbitrary size, having a defined set of characteristics common to social networks,
thus fulfilling the demand for real-life data sets (under supervision of *Alexander Markowetz*)

RELEVANT COURSEWORK

Advanced Algorithms and Data Structures / Databases / Machine Learning / Neural Network Computing / Web
Search Engines / Information Visualization / Natural Language Processing

PRIMARY ACADEMIC INTERESTS

Information Retrieval / Machine Learning / Natural Language Processing / Data Structures and Algorithms

OTHER INTERESTS & SKILLS

- ◇ Various programming languages, including: Java, Scala, C/C++, Python, Octave/Matlab
- ◇ Web technologies: CSS, HTML, XML, XSLT, XPath, JavaScript, jQuery, WordPress
- ◇ Relational databases: SQL, Oracle & PL/SQL, PostgreSQL, MySQL, SQLite
- ◇ Basic Ant, Maven, sbt, Liquibase, Hibernate, Spring, JUnit, TestNG, SAML 2.0, Qt, QtQuick, Spark
- ◇ Linux, Bash, SSH, Git, Gerrit, Github, Jenkins, Amazon AWS, \LaTeX

REFERENCES

Torsten Suel, *NYU Tandon School of Engineering* torsten.suel@nyu.edu
Alexander Markowetz, *University of Bonn* alexander@markowetz.de
Jerzy Tyszkiewicz, *University of Warsaw* jty@mimuw.edu.pl
Tomasz Urbanski, *Head of Development, Syncron Poland* tomasz.urbanski@syncron.com