

Michał Stobierski

STUDENT · SOFTWARE ENGINEER (WORKING STUDENT)

Kraków, Poland

☎ (+48) 511 967 070 | ✉ lampard1996@gmail.com | 📱 stobis | 🌐 michal-stobierski

Education

Jagiellonian University

Kraków, Poland

M.S. IN THEORETICAL COMPUTER SCIENCE

Expected graduation: June 2021

B.S. IN THEORETICAL COMPUTER SCIENCE

Oct. 2015 – Jul. 2018

Relevant courses

Algorithms and Data Structures, Operating systems, Concurrent Programming, Distributed Systems, Theory of Computing

Technical skills

Java, C++ (including STL), Python, PostgreSQL, MongoDB, Git, Bash, React/React Native, CUDA, \LaTeX

Experience

AVSystem

Kraków, Poland

SOFTWARE ENGINEER (WORKING STUDENT) | GOOD LOOD APP

Jul. 2017 – Present

- Implemented and maintained RESTful API in project's core application written in **Java** (Spring)
- Implemented several UI views (in JavaScript), snapshot tests (by using Jest framework) and in-app payments support (by using Android native components) in **React Native** mobile app used by nearly 300 000 users
- Optimized **SQL** and **MongoDB** database queries in internal services leading up to 2x speedup in some cases (20% on avg.)
- Designed in cooperation with end-users (shop assistants) the Assets Tracking service (written later in **Django**)
- Mentored new interns by helping them understand project structure and making code reviews

Order of Code Academy

Przemyśl, Poland

PROGRAMMING WORKSHOPS ASSISTANT (SUMMER CAMP)

Sep. 2018

- Co-organized daily programming contests focused on algorithms & data structures for high school students
- Conducted workshops introducing competitive programming with **C++** and STL

Volunteering

EVENTS CO-ORGANIZER, GROUP LEADER

- Mentored a group formed by youths from the parish Light-Life Movement community focused on personal growth and ability to debate about various cultural and philosophical problems. Helped several times as a camp counselor.
- Worked in the event committee during the ACM ICPC Polish finals and semifinals of the Polish Olympiad in Informatics

Projects

University projects

- Used **CUDA** to develop a GPU algorithm for finding bridges in a graph
- Got familiarized with open-source community by contribution to the Coala project
- Implemented simple POSIX-compatible shell for MINIX operating system
- Contributed to the internal string algorithms library providing implementation of an optimal parsing method for dynamic dictionary based compressors (like LZ78, LZW)

Awards

2020 **1st place**, Facebook Poland Virtual Hack 2020

Virtual event

2017 **Finalist**, Polish Collegiate Programming Contest

Wrocław, Poland

2013–2015 **Semifinalist**, 20th, 21st & 22nd Polish Olympiad in Informatics

Warsaw, Poland

2013–2015 **Scholarship**, Lesser Poland scholarship program for talented students

Kraków, Poland

2012 **Laureate**, Regional Olympiad in Informatics

Kraków, Poland