

# Michał Stobierski

STUDENT · SOFTWARE ENGINEER (WORKING STUDENT)

Kraków, Poland

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## Education

### Jagiellonian University

Kraków, Poland

M.S. IN THEORETICAL COMPUTER SCIENCE

Oct. 2018 – Jun. 2021 (expected)

### Jagiellonian University

B.S. IN THEORETICAL COMPUTER SCIENCE

Oct. 2015 – Jul. 2018

- Bachelor's **Thesis**: "GPU algorithms for finding bridges" (associated code written in C++/CUDA)
- Sample **Projects**: simple POSIX-compatible shell for MINIX, TFTP client/server, simple chat app, open-source contribution to Coala project

### The August Witkowski 5<sup>th</sup> High School

Kraków, Poland

HIGH SCHOOL DEGREE

Sep. 2012 – Jun. 2015

- Classes with extended algorithmics and mathematics

## Experience

### AVSystem

Kraków, Poland

SOFTWARE ENGINEER (WORKING STUDENT) | GOOD LOOD APP

Jul. 2017 – Present

- Implemented and maintained project's core application based on RESTful API using Java and MongoDB
- Optimized SQL and Mongo database queries in internal services leading up to 2x speedup in some cases (20% on average)
- Designed in cooperation with end-users (shop assistants) an lightweight assets tracking service (written later in Django)
- Involved in development of React Native mobile app (i.a. by writing snapshot tests, changing navigation flow, performance optimizations) used by nearly 300 000 users
- 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 contests and lectures focused on algorithms & data structures for high school students

### Volunteering

EVENTS CO-ORGANIZER, GROUP LEADER

- Mentored a group formed by youths from Light-Life Movement with special attention to their personal growth
- Worked in an event committee during ACM ICPC Polish finals and semifinals of Polish Olympiad in Informatics
- Helped several times as a camp counselor

## Skills

**Programming languages** C/C++ (including STL), Java, Python, C# (basics)

**Knowledge** algorithms, data structures, basics of operating systems

**Databases** PostgreSQL, MongoDB

**Other** Git, Bash, React, React Native, CUDA,  $\LaTeX$

## Awards

2020 **1<sup>st</sup> place**, Facebook Poland Virtual Hack 2020

Virtual event

2017 **Finalist**, Polish Collegiate Programming Contest

Wrocław, Poland

2013–2015 **Semifinalist**, 20<sup>th</sup>, 21<sup>st</sup> & 22<sup>nd</sup> 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