

Jakub Svoboda

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Personal Profile

During high school, my interests were all over the place. I was a boy scout, played floorball, worked in school magazine, read a lot, and focused on history and economics. Then I discovered math and programming. It lead me to my university, where I tried to take every course available and solve every homework. Now, I am trying to use what I learned and think about things no one ever thought. I am still an avid reader and have a weird sense of humor.

Education

2005-2014 Gymnázium, Havířov-Město, Komenského 2

Selective school for grades 5–12 with general orientation.

2014-2019 Charles University in Prague, faculty of mathematics and physics

I studied Computer Science and received bachelor's and master's degree with honors.

2019 - Present Institute of Science and Technology, Austria

I am affiliated with Krishnendu Chatterjee and we work on game theory and stochastic processes on graphs.

Employment History

2015 - Present Kasiopea
Cassiopeia

Kasiopea is programming competition for high school students from Czech Republic and Slovakia. It is similar to Google Code Jam or Facebook Hacker Cup. Kasiopea consist of a home round and on-site finals. My role is now mostly managerial, but I also supervise selection and creation of problems.

2017 - 2018 Teaching practicals

I was teaching practicals for lectures: Combinatorics and Graph Theory, Algorithms and Data Structures and Discrete Mathematics.

2016 - 2017 Adwind software

I was working part-time job as junior programmer. In our team, we were developing Kite - analytical software for processing data from media research and monitoring of advertising.

Summer 2017 REU - Research Experience for Undergraduates in Computing

I have been working on some interesting CS problems over the summer. My work was in New Brunswick (NJ) under DIMACS at Rutgers University.

Published papers

- **Simplified Game of Life: Algorithms and Complexity**

Surprising complexity results about simple dynamical process that models spread of ideas.

Software Engineering Skills

- **Programming Languages**

C++, C#, Python, Haskell

Recognition and prizes

- **Competitive programming - ACM ICPC**

*Central European Regional Contest - 11th place
CTU Open (national round) - 1st place*

- **Mathematical olympiad**

2013/14, first in Moravian-Silesian region, successful solver (silver medal) in Czech Republic

- **Programming olympiad**

2013/14, third in Moravian-Silesian region, 9th place in Czech Republic

Interests

- **Floorball, Frisbee, Hiking**

- **Books**

- **History, Economics**

- **Learning**

Learned and honor societies

- **ΥΠΕ – Upsilon Pi Epsilon**