

Teodor Bucht

Lund, Sweden

✉ teodor.bucht@gmail.com ☎ (+46) 707282287

I am a second year student from Sweden studying applied mathematics at Lund University. My main academic interest is problem solving, specifically in mathematics but also in computer science. During my time in high school I spent a lot of time doing olympiad mathematics but also some competitive programming. At university I have found further interest in competitive programming and also developed my mathematical interest.

Achivements

<i>Mathematics</i>	Bronze medal at International Mathematical Olympiad 2018 Finalist in Swedish Mathematical Olympiad 2016 and 2017, placed 4th 2017.
<i>Programming</i>	Finalist in the Swedish Programming Olympiad 2017 and 2018. My team placed 7th out of ICPC-eligible teams in NCPC 2019. My team also placed 33th in NWERC 2019.
<i>Physics</i>	Finalist in the Swedish physics olympiad 2018, placed 1st in the qualifying round. Honourable mention at European Physics Olympiad 2018.

Previous employements

- **Lund University** **Lund, Sweden**
Problem author *2019 - present*
I am involved in a project that strives toward teaching programming to high school students and raising awareness about UN:s global goals.
- **Malmö Borgarskola and Matteklubben Tänkarna** **Malmö and Lund, Sweden**
Math teacher *2017 - 2019*
At Malmö Borgarskola 2017 - 2018, me and two others were responsible for a problem solving mathematics class aimed at children in grade 5 - 6. After that I worked a year for Matteklubben tänkarna, a similar concept but with children in grade 1 - 3.
- **Malmö Borgarskola** **Malmö, Sweden**
Programming teacher *2017 - 2018*
Me and one other person taught introductory programming and problem solving to a group of interested children in grade 7-9. We prepared the lessons and problems ourselves.

Education

- **Science High School Program** **Malmö, Sweden**
Malmö Borgarskola *2015 - 2018*
I finished the science program with top grades in all courses except one, 22.4/22.5 GPA.
- **Engineering in Applied Mathematics** **Lund, Sweden**
Faculty of Engineering, Lund University *2018 - present*
I am one and a half year into my five year degree, but have take a lot of extra courses, in total about 160% of the regular pace. I have finished all my courses with the highest grade.

Projects.....

- **Accent Identification with Neural Networks** **Malmö, Sweden**
Malmö Borgarskola *2018*
Me and two others did this as our final project in high school. We won an award for best project at our school.
- **Modelling of Squirrel Populations using Dynamical Systems** **Stockholm, Sweden**
Research Academy for Young Scientists *Summer 2017*

During the summer in 2017, I attended a swedish research academy where me and one other person worked on this project.

Skills

- Python: Quite proficient, one of my favourite languages to use both in projects and competitive programming.
- C++: Quite proficient, my favourite language to use in competitive programming.
- Java: Proficient, the main language taught at my University.
- MATLAB: Somewhat proficient, I have some experience from different courses.
- Git: Somewhat proficient, some experience from working on different projects.
- Swedish: My mother tongue.
- English: Spoken fluently.

Extracurricular

- **Ung Vetenskapssport (Association for Young Competetive Scientists)**

Secretary

2018 - present

I am the secretary of an association that organizes events for interested high school students. I have personally been in charge of organizing a camp in linguistics where roughly 30 people participated. Furthermore, I have given lectures on mathematics at our annual maths camp.

- **Tygelsjö Kyrkas Verksamhetsråd (Board for my Local Church)**

Board member

2017 - present

I got elected as a board member for my local church. Our main job is to represent common members when decisions are made.

- **Tygelsjö Kyrka (my Local Church)**

Youth leader

2014 - 2019

I volunteered as a youth leader at my local church. Through this I have completed a course in leadership. Occasionally I have prepared and implemented different exercises/lessons.