Johann Selewa
Curriculum Vitae

PERSONAL DETAILS

Birth	May 4, 1992
Residence	Stockholm, Sweden
Phone	0704483982
Mail	yyzjohann@gmail.com
LinkedIn	My profile
GitHub	My GitHub (password is not included here)
Website	My personal website

EDUCATION

Bachelor's degree in mathematics
Autumn 2013– Spring 2017

Stockholm University

Pure mathematics with courses in economics, computer science, and probability theory. Bachelor thesis in algebra and combinatorics under the supervision of Jörgen Backelin.

Master's degree in mathematics
Autumn 2016 – Autumn2020

Stockholm University

Pure mathematics with courses in computer science (not included in the degree; see below). I presented my master's thesis on modular forms and Galois representations in June 2018, written under the supervision of Wushi Goldring.

WORK

Homework assistance
April 2013-September 2015

MyAcademy, Part-time

Duties included meeting elementary and high school students and helping them with their homeworks.

Teaching assistant in mathematics and computer science
November 2015-August 2019

Department of mathematics at Stockholm University, Part-time

Duties include teaching at the blackboard, assisting students' self-studies, supervising homework and lab presentations, and correcting homeworks, labs, and exams.

Teaching assistant in computer science
September 2016-January 2017

The Royal Technical Institute/NADA, Part-time

First course in Computer Science at the Computer Science programme. Duties as in the previous point.

Coordinator of studies, technical support
2 September 2019- 31 August 2020

Stockholm University Department of Mathematics, full time

The duties were split between coordinating the first-semester courses in mathematics, and administrating the course websites and the digital learning platform WebWork, as well as acting as technical support. At the same time taking courses at an average pace of 85%.

Currently
Sepember 2020 -

Studying russian and ecomonics, while working on my personal projects.

OTHER

Active in student councils September 2013-January 2017

Vice chairman at the economics department. Chairman at the mathematics department. Responsibilites included arrangements of job fairs and study visits, and participation in department board meetings. At the math department I proposed the pass card system which is now in use.

PhD Seminar 12/4-2019

Stockholm University

About modular forms and Galois representations; see "Stockholm Mathematics Center calendar for details".

PhD Seminar 4/10-2019

Stockholm University

About Stanley-Reisner rings of abstract simplical complexes; see "Stockholm Mathematics Center calendar for details".

COMPUTER SCIENCE

Between 2018 and 2020 I took computer science courses, and completed the following, all at KTH: Two courses in algorithms and complexity (of which one on advanced level), an advanced level course each in machine learning and artificial intelligence, and an advanced level course in cryptography.

I have also completed the lab exercises in one advanced level course each for computer security, and software safety and security (both at KTH).

SOFTWARE

Below I list some of the software and computer languages I have worked with enough to be comfortable with.

Python, Java, Haskell, Prolog, Latex, Bash/Zsh, Lisp (scheme and e-lisp), Javascript, HTML, CSS, PHP, MySQL, C/C++, Git.

REPOSITORIES

I keep a private BitBucket account where I keep all my working projects. Because of infringement concerns, I publish my finished projects as password protected zip files on my public GitHub profile (see link above, or here). The password is not included in this public version of my CV.

LANGUAGES

Maternal or fluent: Swedish, English, (East) Assyrian
Basic: Russian, French, Spanish

REFERENCES

Available upon request