

NADJA AOUTOUF

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EDUCATION

Master's degree candidate in Applied Mathematics at ETH Zurich *Feb. 2019 - present*
with focus on Theoretical Computer Science
Courses in the area of Computational Statistics & Modelling, Cybersecurity, Information Theory, Cryptography and Mathematical Optimization

Bachelor's Degree in Mathematics at ETH Zurich *Sep. 2015 - Feb. 2019*
final certificate: B.Sc. Mathematics
Courses in the area of Theoretical Computer Science, Information Security, Algorithms and Complexity, Graph Theory, Algebra, Probability and Statistics, Physics

Marie-Curie Gymnasium, Neuss *Sep. 2012 - Jul. 2015*
with focus on Mathematics and Chemistry
final certificate: allgemeine Hochschulreife

Mildred-Scheel Realschule, Neuss *Sep. 2006 - Jul. 2012*
final certificate: Fachhochschulreife

WORK EXPERIENCE

Allianz SE, Zurich *May 2019 - Apr. 2020*
Student Trainee

Maximilianeum House Administration Assistant, Zurich *Oct. 2019 - present*
In charge of a student housing over 100 people from 15 different nations

PROJECTS

ETH Zurich & Universität zu Lübeck - Semester Project *Nov. 2020 - Mar. 2021*
Goal: Develop a generic mechanism to learn a differential private approximation with high-dimensional input.

BP Europe SE - Innovation Workshop *Mar. 2020 - Jul. 2020*
Goal: Develop a strategy to improve the energy efficiency performed in the existing refinery process.

IT SKILLS

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|---------------------------------|-------------------------------|
| Programming & Skills | C++, Python, R, MATLAB, Excel |
| Software & Tools | LaTeX, Mathematica, Rstudio |

LANGUAGES

German *mother tongue*
English *fluent*

EXTRACURRICULAR ACTIVITIES

Scholarship of the FEMTEC Career-Building Program
The aim of this program is to prepare STEM enthusiasts for professional practice and future management tasks.