Gilbert Maystre
Lausanne, Switzerland
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Swiss citizen
Unmarried

Education

2020 - PhD candidate in Computer Science
École Polytechnique Fédérale de Lausanne
Algorithms and lower bounds

2016 - 2020 MSc. in Computer Science
École Polytechnique Fédérale de Lausanne

2015 - 2016 International exchange student
The Johns Hopkins University (Baltimore - USA)

2013 - 2016 BSc. in Computer Science
École Polytechnique Fédérale de Lausanne

Employment

2020- Research assistant - EPFL
Contributing to research and teaching activities at the School of Computer and Communication Sciences.

2018 Data-science intern - Bühler Group
4 Months
Worked in the research department and applied machine learning techniques to optimize production in wheat milling plants.

2017 - 2018 Software engineering intern - AdNovum
6 Months
Developed new features for the leading Swiss mobile payment app in a large team of developer. Saw the whole spectrum of software development, from architecture to testing.

Publications

In submission Separations in Proof Complexity and TFNP
with Mika Göös, Alexandros Hollender, Siddhartha Jain, William Pires, Robert Robere and Ran Tao

CCC22 Further Collapses in TFNP
with Mika Göös, Alexandros Hollender, Siddhartha Jain, William Pires, Robert Robere and Ran Tao

Last update: May 4, 2022
A Majority Lemma for Randomised Query Complexity
with Mika Göös

Communication Efficient Coresets for Maximum Matching
with Michael Kapralov and Jakab Tardos

Honors & Awards

2020 EPFL EDIC PhD Fellowship
2019 Hackathon Grand Winner (out of 53 projects), LauzHack
2018 EPFL IC research scholarship
2015 Grant to study abroad

Languages & Misc.

Languages
French: native
English: fluent (written and spoken)
German: some

Programming
Java, Python, \LaTeX, c (some), scala (some)

Technology
Android, Swing, Apache Hadoop, Gurobi, Pandas, SQL, git, Amazon Web Service

Service
CCC22, STOC22, ICALP21, Theory of Computing Journal

Coursework
Advanced algorithms, Computational complexity, Sublinear algorithms for big data analysis, Machine learning, Operating systems, Graph theory, Cryptography & security

Last update: May 4, 2022