TOM M. RAGONNEAU

Ph.D. Student, Computational Mathematics and Optimization

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♥ Hong Kong

EDUCATION

Ph.D. Student in Computational Mathematics The Hong Kong Polytechnic University

Hong Kong

- Department of Applied Mathematics.
- Supervised by Dr. Zaikun Zhang and Prof. Xiaojun Chen.
- Supported by the Research Grants Council (RGC) of Hong Kong, under the Hong Kong Ph.D. Fellowship Scheme (HKPFS).

M.Sc. Degree in Scientific Computing Toulouse INP, E.N.S.E.E.I.H.T.

🛗 Sep. 2018 - Jul. 2019

▼ Toulouse, France

- Graduated in Performance in Software, Media and Scientific Computing (PSMSC).
- GPA: 4.0

M.Eng. Degree in HPC and Big Data Toulouse INP, E.N.S.E.E.I.H.T.

M Sep. 2016 - Jul. 2019

♀ Toulouse, France

- Department of Computer Science and Applied Mathematics.
- Majoring in optimization, HPC and machine learning.
- GPA: 3.9

WORKING EXPERIENCE

Research Assistant

The Hong Kong Polytechnic University

Mar 2019 - Sep. 2019

- Department of Applied Mathematics.
- M.Eng. final-year internship.

Machine Learning Research

Toulouse INP, E.N.S.E.E.I.H.T. & ALTRAN

🛗 Jan. 2019 - Mar. 2019

▼ Toulouse, France

- Deep learning approach for estimation of the nearshore bathymetry.
- M.Eng. final-year project.

Machine Learning Engineering

Axians Cloud Builder

🛗 Jun. 2018 - Sep. 2018

▼ Toulouse, France

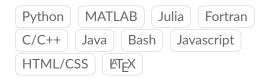
- Prediction of the load of an HPC cluster (National Centre for Space Studies) managed by GPFS via machine learning tools.
- M.Eng. second-year internship.

RESEARCH INTERESTS

Mathematical optimization and its application, mainly in

- methods based on inaccurate information,
- methods for large-scale problems.
- methods for noisy problems,
- · derivative-free methods.

COMPUTING SKILLS



ACHIEVEMENTS

- Awardee of the highly-selective Hong Kong Ph.D. Fellowship Scheme (HKPFS), provided by Research Grants Council (RGC) of Hong Kong.
- Part of the PDFO developer team, a cross-platform package providing MATLAB and Python interfaces for using late Professor M. J. D. Powell's derivative-free optimization solvers.

LANGUAGES

English French German



REFEREES

Dr. Zaikun Zhang

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