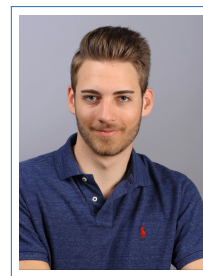


Felix Klingelhoef

Curriculum Vitae

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Education

- 2011–2014 **Baccalauréat Scientifique**, LYCÉE AMIRAL RONARC'H, *Brest*.
With honors ("Very Good"), 19.39/20
- 2014–2016 **Classes Préparatoires aux Grandes Écoles (preparatory class for the entry exams of many French schools, MPSI->MP*)**, LYCÉE FRANÇOIS RENÉ DE CHATEAUBRIAND, *Rennes*.
- 2016–2020 **Bachelor's and Master's degree in fundamental Computer Science**, ÉCOLE NORMALE SUPÉRIEURE DE LYON, *Lyon*.

Computer skills

Programming C/C++, PYTHON, OCAML, LATEX, SQL
Machine learning TENSORFLOW, SCIKIT-LEARN, KERAS, PYTORCH

Languages

French **Mother tongue**
English **Bilingual** *American nationality, C2 certification from the CAE*
German **Fluent** *German nationality, raised in a German-speaking family*

Professional experience

- 2017 (6 weeks) **Research internship**, INSTITUT MINES-TÉLÉCOM ATLANTIQUE, *Brest*.
I worked on devising a neural network for MRI modality transformation, supervised by François Rousseau
- 2018 (3 months) **Research internship**, CENTRE FOR QUANTUM TECHNOLOGIES, *Singapore*.
I worked on quantum walks relating to quantum learning theory as well as quantum algorithmics and complexity under the direction of Miklos Santha and Rahul Jain
- 2018-2019 (4 months) **Research internship**, LABORATOIRE HUBERT CURIEN, *Saint-Etienne*.
I tried combining the SMOTE algorithm for imbalanced data problems with metric learning techniques, overseen by Marc Sebban.
- 2019 (5 months) **R&D internship**, WORLDLINE, *Lille*.
I developed a novel transfer learning method for fraud detection based on random forests, overseen by Li Guo.
- 2020 (5 months) **Research internship**, UNIVERSITY OF NEUCHÂTEL, *Neuchâtel, Switzerland*.
I worked on implementing highly scalable phase-fair reader-writer locks, supervised by Pascal Felber
- 2020 - ongoing **PhD**, GSCOP (UNIVERSITÉ GRENOBLE ALPES, *Grenoble*.
My thesis is on finding efficient algorithms for problems with proofs of existence, promises or extra information.