




MATTÉO DELABRE

Computer science student

CONTACT

 matteo.delab.re

LANGUAGES

- French: native speaker
- English: proficient (C1 level, 990 TOEIC® score)

INTERESTS

- Competitive programming
Participation to the SWERC 2019, 2018 and 2017 competitive programming contests
- Contribution to free software
See profiles on GitLab and GitHub

OTHER PROJECTS

- Rózsa tokens interpreter
rozsa-tokens.info
Exploration and experimentation with the primitive recursive functions' construction
- CYK algorithm
matteo.delab.re/projects/nlp-cyk
Interactive visualization of the CYK algorithm for analyzing Chomsky normal grammars



EDUCATION

University of Montpellier, including an exchange with Laval University (CA) *Jul 2020*
Sep 2015

Comprehensive master of engineering (CMI),
Master's degree in theoretical computer science (pending),
Bachelor's degree in comp. science (GPA 17.7/20, rank 1st/88).



EXPERIENCE

Laboratoire de l'informatique du parallélisme (LIP) · Inria, ENS Lyon (FR) *Jun 2020*
Feb 2020

TatiTag Startup · Institut d'électronique et des systèmes (IES), Montpellier (FR) *Aug 2019*
May 2019

Creation of a mobile application for processing images to detect color variations characterizing the presence of bacteria.

Laboratoire de biologie informatique et théorique (LBIT) · University of Montreal (CA) *Aug 2019*
May 2018

Evaluation of an exact algorithm for the reconciliation of evolutionary histories. Implemented using C++, parallelized with OpenMP. Published "Reconstructing the History of Syntenies through Super-Reconciliation".

Jules Guesde high school (FR) *Jan 2019 – Jul 2019*
May 2016 – May 2018

Networks and systems administration.



PROJECTS

Development of an automated digital scanning tool for 3D scenes *May 2019*
Oct 2017

Computer vision: extraction and pairing of features, structure from motion. Implemented in C++ using OpenCV and parallelized with OpenMP. Project with a 3-students group over 500 hours.

 gitlab.com/ftornil/lucilia

Creation of a multi-storage-services synchronization application *Jun 2017*
Jan 2017

Unification of synchronisation HTTP APIs from several storage services (Dropbox, OneDrive, ...). Project with a 2-students group over 300 hours.

 gitlab.com/remicerces/arcus