

Skandere Sahli

<https://github.com/skandere/MyProjects/> • ✉ skandere.sahli@polytechnique.edu

Education

- **École Polytechnique - Cycle Ingénieur Polytechnicien** **Palaiseau, France**
Third year, one of France's leading universities in engineering
Master's level program in Applied Math and Computer Science, GPA: 3.88/4.0
2017-Present
- **Lycée Louis-le-Grand Preparatory program** **Paris, France**
GPA 4.0/4.0
A 2-year program in mathematics and physics leading to competitive entrance examinations to the Grandes Ecoles
2015-2017
- **Lycée Lakanal** **Sceaux, France**
Baccalaureat in science awarded with highest honors
2015

Projects

- **Optimizing the coordinated response to emergency calls** **Palaiseau, France**
Built a theoretical model and designed an optimal agent's allocation policy.
Analyzed data to infer users' patience.
Work supervised by Xavier Allamigeon and Stéphane Gaubert.
2019-2020
- **Link prediction in the French Web Graph** **Palaiseau, France**
Used NLP and ML on graphs to predict missing links in the French Web Graph.
2019-2020
- **Prediction of power consumption based on meteorological data** **Paris, France**
Worked on data to predict power consumption, using Lloyd's algorithm and regression methods in C++.
2019-2019
- **Optimal Tree Labelling** **Palaiseau, France**
Implemented an algorithm to find the optimal labelling of a tree given an alphabet of labels.
2019-2019
- **Modeling and optimization of road traffic** **Palaiseau, France**
Implemented and proved theoretical results on two algorithms to optimize the total travel time of road users.
2018-2019

Internship Experience

- **Summer Intern in Sales and Trading - Bank of America** **London, UK**
Implemented an automated trading strategy and worked on a predictive model for the bank's market impact.
Summer 2019
- **Officer Cadet - French Embassy in Ivory Coast** **Abidjan, Ivory Coast**
Staff Officer for the Defence Attache. Worked on security and cooperation projects.
2017-2018

Teaching experience

- **Ecole Polytechnique Féminine** **Paris, France**
Oral examiner in maths for undergraduates
Topics: Linear Algebra, Topology, Probability, Real Analysis
2018-Ongoing
- **Edukaty - Tutor** **Paris, France**
Taught math to undergraduates preparing for Grandes Ecoles examinations
2018-2019

Skills

- **Programming:** Python, Java, C++
- **Languages:** French (native), English (TOEFL Score: 113), Spanish (Basic), Arabic (Basic)

Associative activities

- **X-Finance – Ecole polytechnique's Financial Society** **Palaiseau, France**
As Vice-Chairman, organized large scale events, university workshops and hackatons related to finance.
2018-2019
- **XProjets, Junior Entreprise of Ecole Polytechnique** **Palaiseau, France**
Acted as Project leader, communicated with clients and helped them find solutions to their business problems.
2017-2018
- **ALC Cachan - Judo Club** **Cachan, France**
Involved in my city's judo club as an assistant coach.
2005-2017

Outside Activities

- **Skydiving** **Lille, France**
Member of the school association (52 jumps)
- **Scuba Diving** **Marseilles, France**
N1 level - Padi Open Water