

Tamim El Ahmad

PhD Student · Machine Learning

(+33) 631161262
Créteil, France

elahmad.tamim@gmail.com
github.com/tamim-el

Education

TÉLÉCOM PARIS <i>PhD in Machine Learning (Sup. F. d'Alché-Buc, P. Laforgue)</i> <ul style="list-style-type: none">• TITLE: Learning Deep Kernel Networks: Application to Efficient and Robust Structured Prediction• RESEARCH TOPICS: Kernel Methods, Random Projections, Structured Prediction, Neural Networks	Jan. 2021 – Present Paris, France
ÉCOLE NORMALE SUPÉRIEURE PARIS-SACLAY <i>Master's degree MVA - Machine Learning and Computer Vision</i>	Sep. 2019 – Sep. 2020 Paris, France
ÉCOLE DES MINES DE SAINT-ÉTIENNE <i>Engineering Degree - Computer and Data Science</i>	Sep. 2016 – Sep. 2020 Saint-Étienne, France
UNIVERSITÉ PARIS-DIDEROT <i>Academic gap year in Master 1 - Applied Mathematics</i>	Sep. 2018 – Sep. 2019 Paris, France
UNIVERSIDAD DE BUENOS AIRES <i>Exchange Program - Computer and Data Science</i>	Aug. 2017 – Dec. 2017 Buenos Aires, Argentina
UNIVERSITÉ JEAN MONNET <i>Bachelor's degree - Mathematics</i>	Sep. 2016 – Sep. 2017 Saint-Étienne, France

Experience

TÉLÉCOM PARIS <i>Research Engineer in a joint project with Valéo</i> <ul style="list-style-type: none">• Research and development for unsupervised anomaly detection (One-Class SVM, Isolation Forest, Data Depth)• Development of an unsupervised anomaly detection library (Python)	Oct. 2020 – Jan. 2020 Paris, France
TÉLÉCOM PARIS <i>Research Intern</i> <ul style="list-style-type: none">• Research and development for structured prediction: hybrid architecture based on kernel methods and neural networks (PyTorch)	May 2020 – Sep. 2020 Paris, France
MÉDICIS <i>Computer Science Intern</i> <ul style="list-style-type: none">• Development of a NoSQL data entry server (MongoDB)	Jun. 2019 – Aug. 2019 Paris, France
SANOFI <i>Computer Science Intern</i> <ul style="list-style-type: none">• Research and development of a deep learning model for automatic recognition of IC-50 curves (Keras, Knime)	Jun. 2018 – Aug. 2018 Paris, France

Academic Duties

Teaching Assistant

Jan. 2021 – Present

Télécom Paris

Paris, France

- Tutorials: Statistics, Convex Optimisation
- Practical Sessions: Statistics, Convex Optimisation, Kernel Methods, Introduction to Machine Learning, Structured Prediction

Reviewer

Jun. 2022 – Present

AISTATS, JMLR, TPAMI

Talks

Sep. 2022 – Present

ELISE Theory Workshop (Sophia Antipolis 2022), CAp (Strasbourg 2023)

Publications

Conference

Sketch In, Sketch Out: Accelerating both Learning and Inference for Structured Prediction with Kernels (Preprint 2023).

T. El Ahmad, L. Brogat-Motte, P. Laforgue, F. d'Alché-Buc.

Fast Kernel Methods for Generic Lipschitz Losses via p -Sparsified Sketches (Preprint 2022).

T. El Ahmad, P. Laforgue, F. d'Alché-Buc.

Other Interests

Musical education and Guitar: 10 years, National school of music Marcel Dadi in Créteil

Sport: Fencing (8 years of practice), Football, Swimming