Tamim El Ahmad

PhD Student · Machine Learning tamim-el.github.io

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Education

TÉLÉCOM PARIS PhD in Machine Learning (Sup. F. d'Alché-Buc, P. Laforgue)	Jan. 2021 – Present <i>Paris, France</i>
 TITLE: Learning Deep Kernel Networks: Application to Efficient and RESEARCH TOPICS: Kernel Methods, Random Projections, Structu 	Robust Structured Prediction
ÉCOLE NORMALE SUPÉRIEURE PARIS-SACLAY Master's degree MVA - Machine Learning and Computer Vision	Sep. 2019 – Sep. 2020 Paris, France
ÉCOLE DES MINES DE SAINT-ÉTIENNE	Sep. 2016 - Sep. 2020
Engineering Degree - Computer and Data Science	Saint-Étienne, France
UNIVERSITÉ PARIS-DIDEROT	Sep. 2018 – Sep. 2019
Academic gap year in Master 1 - Applied Mathematics	Paris, France
UNIVERSIDAD DE BUENOS AIRES	Aug. 2017 – Dec. 2017
Exchange Program - Computer and Data Science	Buenos Aires, Argentina
UNIVERSITÉ JEAN MONNET	Sep. 2016 - Sep. 2017
Bachelor's degree - Mathematics	Saint-Étienne, France
Experience	
TÉLÉCOM PARIS	Oct. 2020 - Jan. 2020
 Research Engineer in a joint project with Valéo Research and development for unsupervised anomaly detection (One-Opepth) Development of an unsupervised anomaly detection library (Python) 	Paris, France Class SVM, Isolation Forest, Data
TÉLÉCOM PARIS	May 2020 – Sep. 2020

MÉDICIS

Jun. 2019 – Aug. 2019

Computer Science Intern

neural networks (PyTorch)

Research Intern

Paris, France

Paris, France

• Development of a NoSQL data entry server (MongoDB)

SANOFI Jun. 2018 – Aug. 2018

Computer Science Intern Paris, France

• Research and development for structured prediction: hybrid architecture based on kernel methods and

• Research and development of a deep learning model for automatic recognition of IC-50 curves (Keras, Knime)

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

Deep Sketched Output Kernel Regression for Structured Prediction (Preprint).

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

Sketch In, Sketch Out: Accelerating both Learning and Inference for Structured Prediction with Kernels (AISTATS 2024).

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

Fast Kernel Methods for Generic Lipschitz Losses via p-Sparsified Sketches (TMLR 2023).

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