BIÉCHY Lucas

SECOND-YEAR MATHEMATICS AND AI MSC STUDENT

06 74 20 61 90 ♣ lucas.biechy@universite-paris-saclay.fr ♣ linkedin.com/in/biechy

Search for a statistical learning internship

STUDIES

2022 - 2024

Master of Mathematics and Artificial Intelligence

Master 2 shared with CentraleSupélec.
Joint courses with the Statistics and Machine Learning master's program at Polytechnique (X) and the MVA (Mathematics, Vision, Apprentissage) master's program at École Normale Supérieur (ENS) Paris-Saclay.

Statistical learning : supervised, unsupervised, semi-supervised, reinforcement, etc.
Data science : advanced machine and deep learning, modeling, etc.
Computer science : Python, R, Distributed Systems Massive Data Management, etc.

2019 - 2022

Double degree in Mathematics and Physics

3rd year of a joint physics degree with ENS Paris-Saclay.

Theoretical physics : quantum physics, statistics physics, electromagnetism, analytical mechanics, fluid mechanics, etc.
Mathematics : algebra, calculus, probability, arithmetic, etc.

PROFESSIONAL EXPERIENCES

2023 (6months)

Data engineer

Exotrail *(supervised by Mr. Louis Petitjean)*

Design and implementation of a complete data collection, processing and storage system, to facilitate access and use.

2022 (2months)

Research assistant

Orsay Mathematics Laboratory *(supervised by Mrs. Suzanne Varet)*

Improved numerical density estimation using the kernel estimation method.

2021 (2months)

Research assistant

Orsay Mathematics Laboratory *(supervised by Mr. Sylvain Faure)*

Improvement of the Fast Marching method for its application in the context of visual modeling of crowd movements.

PROJECTS

Sigmoïd

Web application that centralizes all events organized by associations of the Paris-Saclay University and the Institut Polytechnique de Paris.

Association Parcours Math&IA

Founder and president of the association promoting this Master's degree within the corporate and research sectors.

Completed projects (academic and personal) on Github.

ADDITIONAL

Certification

Cambridge English Certificate : L&R General English - C1+

Self-taught courses

Full stack web development (TypeScript, NodeJS, ...)
Economics
Finance (a course taken at Master 2 El Karoui)
Bitcoin and other blockchains

Passions

Textile design (sewing, screen printing, embroidery, etc.)