

Julia Linhart

23 Rue du Chemin Vert, 75011 Paris, FRANCE
Mob.: +33 7 8 93 63 49 • E-Mail: julia.linhart@inria.fr

Education

- PhD in Statistics and Machine Learning, INRIA (MIND), University of Paris-Saclay** – Paris/France. **2021 –**
Subject: *Simulation Based Inference with Deep Learning: application to neuroscience time-series data.*
Supervisors: Alexandre Gramfort (HDR), Pedro L.C Rodrigues (CR).
- Scholarship “Jean-Pierre Aguilar” of the CFM Foundation for Research.
- MSc, Ecole Normale Supérieure Paris-Saclay** – Paris/France **2020 – 2021**
Research Master “Mathematics –Vision – Learning” (MVA)
Computational Statistics, Convex Optimization, Bayesian ML, Kernel Methods for ML, Graphs in ML, Object Recognition, Numerical Imaging, Medical Imaging (Introduction and Deep Learning classes).
- Scholarship by the French State: „Bourse Excellence Major de l’AEFE“ – Campus France.
- Engineering degree, Ecole des Ponts ParisTech** – Paris/France **2017 – 2021**
Department of Applied Mathematics and Computer Science
Stochastic Processes, Statistics, Machine Learning, Computer Vision, Operational Research, Fourier Analysis
- Scholarship by the French State: „Bourse Excellence Major de l’AEFE“ – Campus France.
- French Preparatory Classes, Lycée Saint-Louis** – Paris/France **2015 – 2017**
Intensive courses in Mathematics and Physics (MP)
- Scholarship by the French State: „Bourse Excellence Major de l’AEFE“ – Campus France.
- Lycée Français de Vienne** – Vienna/Austria (*French Baccaauréat*) **2008 – 2015**
Avondale College – Auckland /New Zealand (*Semester Abroad*) **2013**

Professional Experience and Projects

- Owkin** – Machine Learning Research Internship – Paris/France **April-October 2021**
Part of the Startup’s Medical Imaging Team working on the prediction of breast cancer relapse using Deep Learning methods on histology data. Research Project about *Multimodal Survival Networks and their calibration.*
- Covera Health** – AI Research Internship – New York/NY/USA **January – Juli 2020**
Part of the Startup’s Computer Vision Team working on Pathology Detection in MRIs.
Research Project about *Uncertainty Measurement in Deep Neural Networks.*
- Orange Silicon Valley** – Data Science Internship – San Francisco/CA/USA **July – December 2019**
Projects for the Quantitative Marketing Team: *Churn Prediction, Personalized Movie Recommendations using Graph Databases, NPS calculations (Feature Correlation, NLP – Sentiment Analysis).*
Other Projects: *Dynamic Hand Gesture Recognition using Computer Vision and Neural Networks – AI at the edge .*
- Linz Center of Mechatronics GmbH** – Internship – Linz/Austria **August 2018**
Department „Mechanics and Control”: *Modeling and simulation of metal forming processes, Simulation automation in Python, Evaluation of Machine Learning Methods and Implementation of Neural Networks for Process Optimization.*
- Siemens** – Internship – Vienna/Austria **August 2015**
Department „Technical Sales Support, Factory Product Management”.

Voluntary Work/ Social Commitment / Extra Curricular Activities

- Teaching assistant at ENSTA in first-year classes on probability and statistics
- Academic Auditor and Private Tutoring in Mathematics for undergraduate students
- Treasurer of the Sports Association at Ecole des Ponts ParisTech
- Sports: Handball, Skiing
- Music: Piano

Skills

Language:

- German (fluently/mother tongue),
- French (fluently)
- English (fluently)
- Spanish (B1)

Computer Science:

- Microsoft Office (Word, Excel, Power Point), LaTeX, GitHub
- Programming Languages: Python, C++, MySQL, GSQL