Najwa Laabid

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EDUCATION

University of Eastern Finland (UEF), Joensuu, Finland
International Master's Programme in Information Technology, focus on data analytics and statistics, September 2019 - July 2021

Beloit College, Beloit WI, USA
Exchange semester, focus on cognitive science and robotics, Jan. 2016 - May 2016

Al Akhawayn University in Ifrane, Ifrane, Morocco
Bachelor's Degree in Computer Science, with a minor in Business Administration, September 2015 - June 2019

EXPERIENCE

Junior Researcher — University of Eastern Finland
September 2021 - Present — Kuopio, Finland
Working in Dr. Merja Heinäniemi's research group (sysgenomics) on developing Neural Network based models for modeling genomics data.

ASCI Programme - Intern — Aalto University
June 2021 - August 2021 — Espoo, Finland
Worked in Dr. Arno Solin's group under the supervision of Dr. Will Wilkinson on developing non-linear inference methods for nonstationary Markov Gaussian Processes.

Thesis Placement - Data Analytics — Ericsson Inc.
June 2020 - May 2021 — Kirkkonummi, Finland
Master's thesis on Command&Control botnet detection in IoT Networks using flow data and a random forest model.

Research Assistant — UEF
March 2020 - May 2020 — Joensuu, Finland
Research assistant to Dr. Ville Hautamäki and Dr. Merja Heinäniemi. Projects focus on inference tasks on single-cell data.

Google Software Engineering Intern — Google Inc.
July 2019 - September 2019 — Munich, Germany
Implemented a system for suggesting camera-presets based on event type/characteristics for DIY event spaces.

PROJECTS

Denoising scRNA-seq data using Bayesian Inference,
`https://github.com/NajwaLaabid/Denoising-sc-RNA-seq`
Identifying and imputing dropout (i.e, false 0 counts) in scRNA-seq data by fitting a Zero-inflated Negative Binomial noise model using deep auto-encoders.

Adversarial Resistance in Toxic Comments Detection,
`https://github.com/NajwaLaabid/Adversarial-Toxic`
Improving the adversarial resistance in toxic comments' detection with deep learning models through augmented training sets.

AWARDS

UEF's IMPIT Scholarship, 2019, *100% tuition and living expenses stipend.*
Women Techmakers Scholar, 2018, *by Google Inc. and Women Techmakers.*
Al Akhawayn University Excellence Scholarship, 2015, *100% tuition and common fees.*