

Najwa Laabid

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<https://najwalaabid.github.io/>

<https://github.com/NajwaLaabid>

EDUCATION

Aalto University, Espoo, Finland

Doctoral Researcher (Ph.D. student) in Machine Learning applied to drug discovery. Supervised by Dr. Vikas Garg and Dr. Samuel Kaski., May 2022 - Present

University of Eastern Finland (UEF), Joensuu, Finland

International Master's Programme in Information Technology with a focus on data science and a minor in 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

September 2021 - April 2022

Working in Dr. Merja Heinäniemi's lab (systems genomics) on machine learning applied to genomics.

University of Eastern Finland

Kuopio, Finland

ASCI Programme - Intern

June 2021 - August 2021

Worked in Dr. Arno Solin's group under the supervision of Dr. Will Wilkinson on developing inference algorithms for nonstationary Markov Gaussian processes.

Aalto University

Espoo, Finland

Thesis Placement - Data Analytics

June 2020 - May 2021

Master's thesis on botnet command&control detection in IoT Networks using network flow data and a random forest model.

Ericsson Inc.

Kirkkonummi, Finland

Research Assistant

March 2020 - May 2020

Research assistant to Dr. Ville Hautamäki and Dr. Merja Heinäniemi. Projects focus on inference tasks for RNA and DNA single-cell sequencing data.

UEF

Joensuu, Finland

Google Software Engineering Intern

July 2019 - September 2019

Implemented a system for suggesting camera-presets based on event type/characteristics for DIY event spaces.

Google Inc.

Munich, Germany

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.*