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 Internship - 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.

Facebook Front-End Engineering   Facebook Inc.
Intern
June 2020 - September 2020   London, United Kingdom
Internship offer accepted. Canceled due to the COVID-19. Replaced with Facebook's ABCS virtual summer program, completed successfully.

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.

Project Coordinator and Developer   CLE in AUI
January 2019 - May 2019   Ifrane, Morocco
In charge of coordination, product design, and front-end development. Lead to the development of `https://kudos.aui.ma/`. **Tools**: React, Node JS, HTML5, CSS.

Software Engineering Intern   Sankhya Jiva Tecnologia e Inovação LTDA
July 2018 - December 2018   Uberlândia - MG, Brazil
Developed the conversational interface of Sankhya's intelligent assistant BIA.

Full-Stack Developer   ASC Brazil
January 2018 - June 2018   Uberlândia - MG, Brazil
Developed and maintained code for SAC, a CRM/ERP platform run by ASC. Worked on both front and back end.

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.*