

LEILA ABDELRAHMAN

AI Researcher and Software Engineer. Building deep predictive learning and statistical algorithms for many industries, with a current focus on med-tech.

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leilaabdel.com

github.com/leilaabdel

EXPERIENCE

Computer Vision Research Program Lead

University of Miami

July 2020 – August 2020

Online

- Instructed students through the research process, beginning with literature reviews and ending with manuscripts for peer review.
- Created a [website](#) for students to engage with the material.

Machine Learning Student Researcher

University of Miami Miller School of Medicine

October 2019 – Ongoing

Miami, FL

- Designed data mining software and implemented machine learning algorithms to predict PEX and Glaucoma from metabolites.
- Published in [four peer reviewed journals](#)

Full Stack Developer

University of Miami

November 2019 – Ongoing

Miami, FL

- Developed [mobile iOS](#) and Android applications for doctors and researchers in the medical field
- Integrated backend machine learning algorithms for app UI
- Designed web and mobile applications in HTML, iOS, and Kotlin
- Communicated technical specs to medical professionals

PROJECTS

RegenX

Natural Language Processing for Neuroscience

May 2020 – Ongoing

Online

- Working with LDA models for dynamic topic modeling
- Creating curated datasets on papers on neural regeneration.
- Utilizing Deep Learning NLP tools to process the literature
- Techs: TensorFlow, Keras, Python, Gensim

Fusical

Emotions in the Wild Computer Vision Project

March 2020 – October 2020

Online

- Worked on transfer learning with VGGish, CNNs, and Multimodal fusion.
- Contributed to an API that is currently available on [GitHub](#)
- Paper accepted at the ACM International Conference on Multimodal Interaction.
- Techs: TensorFlow, Keras, PyTorch

TECHNICAL SKILLS

Python

TensorFlow/Keras

LaTeX

Swift

PyTorch

Javascript/HTML



SOFT SKILLS

Problem Solver

Optimistic Influencer

Organization

Flexibility

Public Speaking (see my [TED-X talk](#))

Work Under Pressure

Task Delegation

ACCOMPLISHMENTS

Associate Cloud Engineer

Google Cloud Platform

2020

BioX Research Grant

National Award

2017

- Won \$7,000 to fund undergraduate research at Stanford University.

EDUCATION

M.S. in Electrical and Computer Engineering – Artificial Intelligence

University of Miami

May 2021

B.A. in Chemistry

University of Miami – 3.94 GPA

May 2020

LANGUAGES

English

Arabic

German

Spanish

