

LUIS ALFREDO MOCTEZUMA

Scientist

@ luisalfredomoctezuma@gmail.com

Copenhagen, Denmark

luisalfredomoctezuma.github.io/cv

luisalfredomoctezuma.github.io/short-cv



CURRENT/PREVIOUS POSITIONS (LAST 4)

Scientist

Eriksholm Research Centre / oticon and Aalborg University

2025.02–date

Copenhagen, Denmark

- Sensor fusion algorithms and ML models to integrate EEG/earEEG/video/audio/Gaze data from hearing aid users.
- Design and implement solutions that contribute to real-world applications in hearing care.

Postdoctoral Researcher

International Institute for Integrative Sleep Medicine (WPI-IIIS), University of Tsukuba

2022.11–2025.01

Tsukuba, Japan

- Research on EEG signal processing/analysis and optimization methods.
- Automatic sleep staging and classification of emotions during sleep/awake.

Researcher in Machine Learning

Dept. of Physics and Technology, UiT The Arctic University of Norway

2021.12–2022.10

Tromsø, Norway

- Development, validation and implementation of new algorithms and tools for clinical decision support.
- Propose new methods for data-driven labeling, data imputation, and classification.

Research fellow

Dept. of Engineering Cybernetics, Norwegian University of Science and Technology (NTNU)

2018.06–2021.12

Trondheim, Norway

- Research on EEG signal analysis methods and Brain-computer interfaces.
- Propose new methods for the selection of EEG channels and feature extraction.

PRINCIPAL SCIENTIFIC RESPONSIBILITIES

- Supervisor/co-supervisor of more than 20 Master's Students
- Committee member of several international conferences
- Review editor - Editorial Board Member of several journals, and reviewer for more than 15 international journals

SOME TECHNICAL SKILLS

AI/ML, Python, Matlab, Java, C, C#, Clojure, Ruby, AWK, bash, SQL/noSQL, \LaTeX , parallel computing, git/GitHub, Amazon Web Services.

EDUCATION

PhD, Engineering Cybernetics

Norwegian University of Science and Technology (NTNU)

2018.06–2021.08

Trondheim, Norway

MSc, Computer Science

Benemerita Universidad Autonoma de Puebla (BUAP)

2015.08–2017.06

Puebla, Mexico

BSc, Computer Systems Engineering

National Technological Institute of Mexico

2010.08–2014.12

Michoacan, Mexico

SELECTED HONORS, GRANTS AND AWARDS

- 2023 National Researcher Level I, Area: Engineering and technological development, by the National Research System (SNI) of the Mexican Government: 01.2023-12.2027
- 2022 2-year Postdoctoral fellowship funded by the Japan Society for the Promotion of Science (JSPS): **~11M JPY**
- 2021 BrainID: EEG-Based Person Identification and Authentication System. **Project manager** for pilot project funded by NTNU Discovery: **200K NOK**

OTHERS

- I have published more than 40 works, including articles, conference papers, abstracts, and book chapters.