

LUIS ALFREDO MOCTEZUMA

Scientist

@ luisalfredomoctezuma@gmail.com

📍 Copenhagen, Denmark

🌐 luisalfredomoctezuma.github.io/cv

🌐 luisalfredomoctezuma.github.io/resume



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 for multiple international conferences
- Review Editor - Editorial Board Member of multiple journals, and reviewer for more than 15 international journals

SOME TECHNICAL SKILLS

AI/ML, Python, Matlab, Java, C, C#, Clojure, Ruby, 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), Mexico: 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.