

# LUIS ALFREDO MOCTEZUMA

## Researcher

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📍 Tsukuba Ibaraki, Japan

🌐 [luisalfredomoctezuma.github.io/cv](https://luisalfredomoctezuma.github.io/cv)

🌐 [luisalfredomoctezuma.github.io/short-cv](https://luisalfredomoctezuma.github.io/short-cv)



## CURRENT/PREVIOUS POSITIONS (LAST 4)

### Postdoctoral Researcher

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

📅 2022.11–date

📍 Tsukuba Japan

- Research on EEG signal analysis and optimization methods.
- Automatic classification of dream emotions and sleep staging.

### 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.

### Software Developer

BlueMessaging

📅 2017.08–2018.05

📍 Mexico city, Mexico

- Investigate and test machine learning and Natural Language Processing (NLP) algorithms.
- Develop features for a chatbot platform: Design and development of the REST API, implement relational databases.

## PRINCIPAL SCIENTIFIC RESPONSIBILITIES

- Supervisor/co-supervisor of more than 20 Master's Students
- Reviewer for more than 15 international journals
- Committee member of several international conferences

## SOME TECHNICAL SKILLS

Python, Matlab, Java, C, C#, Clojure, Ruby, AWK, bash, SQL/noSQL,  $\LaTeX$ , parallel computing, git/GitHub, Amazon Web Services (AWS), Artificial Intelligence.

## 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 30 works, including articles, conference papers, abstracts, and book chapters.