

ALAND ASTUDILLO

DEVELOPER – DATA SCIENTIST

CONTACT INFO

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Web Sites

[LinkedIn](#)

[GitHub](#)

[Brain Dynamics Lab](#)

SKILLS

Requirements engineering

Data analysis and modelling

Data visualization

Statistical analysis

Machine Learning

TECHNOLOGIES

Python

MatLab

Tensorflow

Git

LANGUAGES

Spanish: Native

English:

- Writing: Upper-Intermediate
- Reading: Advanced
- Speaking: Upper-Intermediate
- Listening: Upper-Intermediate

PROFILE

Looking to apply my creative and technical skills to improve people lives. Biomedical engineer and computational neuroscience research engineer with expertise in requirements, validation, development, data analysis, machine learning, and modelling. Focused on good visualizations and best data insights in line with business models and customer experience.

EXPERIENCE

Biomedical Engineering Department, Universidad de Valparaíso, Valparaíso, Chile

Data Scientist - Engineer: December 2020 – to date

- Development of Artificial Intelligence Deep Learning based mammography priority system (Python/TensorFlow/AWS/Git).
- Design, test, and validation of models.

Public Health and Sanitary Planning Department, SEREMI de Salud de Valparaíso, Valparaíso, Chile

Process engineer & Data Analyst: June – November 2020

- Covid-19 data analysis and public health sanitary strategies management.
- Automatic pipelines decreasing the general team workload (Excel/Python).
- Requirement engineering and process engineering.

Brain Dynamics Laboratory ([link](#))

Research Engineer: 2017 – to date

- EEG data analysis and brain dynamics modelling in cognition and neurodegenerative disorders (MatLab/Python).

Cognition and Language Center CID-CL, Universidad de Valparaíso

Research Engineer: 2018 – 2019

- EEG data analysis in language & cognition research (MatLab/Python).

Stress Laboratory, Universidad de Valparaíso

Research Engineer: Jan – Dic 2016

- Development of electronic devices for neurobehavior experiments and Local Field Potential (LFP) signals analysis (MatLab/Python).

Hospital Technologic Center, CTH Chile, Valparaíso, Chile

I+D Engineer: 2012 – 2014

- Medical device management web systems development (Excel/MatLab/Python/Ruby).
- Requirements and functionality engineering.

EDUCATION

Ph.D. (c) Biophysics and Computational Biology, Universidad de Valparaíso, Valparaíso, Chile. **2015 - 2022**

MSc. Biomedical Engineering, Universidad de Valparaíso, Valparaíso, Chile. **2010 - 2012**

BSc. Biomedical Engineering, Universidad de Valparaíso, Valparaíso, Chile. **2006 - 2012**