Augusto Lima

PERSONAL INFORMATION

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Phone number: +47 477 20 512

Date of Birth: 04/03/1996

Linkedin:
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LANGUAGES

- Portuguese (Native)
- English (IELTS C1 - Full Proficiency)
- Spanish (Limited Proficiency)
- Norwegian (A2)

SKILLS

- ArcGis, QGis, ENVI, eCognition, Snap, OrthoEngine, LAStools, Agisoft, Cloud Compare, ERDAS Imagine, PCI Geomatica, IDRISI Selva, Pix4D, Google Earth Engine

- SQL, R, Python, ArcGIS Arcade

- Coring (Russian, Gravity and Piston) and Analysis (MS, XRF, LOI, C-14, Grain Size)

- Drone Operating

- Communication, Negotiation, Organizational, Critical Thinking, Emotional Intelligence, Cross-Discipline Thinking, Team Work

- Microsoft Office Tools

WORK EXPERIENCE

University of Bergen | Scientific Assistant
Mar, 2024 - Present | Full time
PFF Alpine: Developing a GIS database of paleo-glaciers during the Last Glacial Maximum, from data collection, methodology development, technical validation and publishing. I am also the lead author of the manuscript aimed to Nature Scientific Data. Additionally, I have also organized group meetings and developed co-authors networks.

University of Bergen | Practicum Assistant GIS
Sep, 2023 - Nov, 2023 | Part-time
GIS Oracle: Aiding students in their projects and assignments within GEO205/GEOV215. The oracle role aimed to assist in methodological and practical challenges in GIS, in which I worked closely to the students in problem-solving situations, from most suitable data to use to why a function is not work and how to make it work.

Geojá | GIS Junior Analyst and GIS Analyst
Jan, 2019 – Jan, 2021
REURB Project: Land use and occupation mapping for urban planning; Quality control; Team building and training; Application of new technologies; Field work; Meetings with municipality and clients.
Emplasa Project: Land use and occupation mapping for urban planning; Quality control.
CAR Tocantins Project: Land use and occupation mapping of croplands and farms.

EDUCATION

MSc. in Earth Science | Universitet i Bergen
Jan, 2022 - Dec, 2023 | Norway
Thesis: Assessing the Influence of Supraglacial Lakes to the Mass Balance of Tapado Glacier.
Skills / Subjects: Geological Mapping · Data Collection in Field Work · Laboratory and Field Techniques in Paleoclimate Reconstruction · Polar Climate Research and Field Work · Climate Modeling · Remote Sensing Techniques · Python Programming · 3D Modeling and Analysis in GIS

Summer School | Universidad de la Serena
Dec, 2022 - Dec, 2022 | Chile
Skills / Subjects: Field and computer-based methods for cryosphere monitoring · High-Altitude Glaciers · Analysis of satellite, aerial and UAV imagery · Topographical and kinematic changes · Ground Penetrating Radar techniques · Geomorphological mapping.

Erasmus + Program | Univerzita Karlova
Sep, 2022 - Feb, 2023 | Czech Republic
Skills / Subjects: Data Analysis in R and Python · Remote Sensing for Radar Data · Advanced GIS and Remote Sensing Techniques · Advanced GIS and Database Techniques · 3D Modelling and Geovisualization

ACCOMPLISHMENTS

CONFERENCES

- Invited Talk - Bjerknes Annual Meeting 2024: New Frontiers (Bergen, 2024)
- Guest Talk - EECR Group Lunch Talk (Bergen, 2024)
- Volunteer Assistant - International Workshop on Greenland Ice Sheet (Bergen, 2023)
- Guest Talk - GIS/Remote Sensing Workshop Group Get-Together (Bergen, 2023)
- Guest Talk - XVI Colóquio de Estudantes de Pós-graduação da Universidade de São Paulo (Online, 2023)
- Guest Talk - Atual dos Projetos de Pesquisa Integrados: Avanços nas Parcerias USP (Online, 2022)

COURSES

- Introduction to Artificial Intelligence with Python
- Machine Learning with Python: from Linear Models to Deep Learning
- Geospatial Artificial Intelligence Workshop
- Effortless Academic Webinar

GRANTS

- Santander Scholarship (R$ 45.000,00 per semester)
- CHESS Summer School (Covered Costs)

HOBBIES & ACTIVITIES

- Hiking and Trekking
- Camping
- Bartendering
- Traveling

SOCIAL WORKING

- NGO Asas de Luz, Brazil: Assist low-income families with children care and education

Exchange Program | Universitet i Bergen
Jan, 2021 - Dec, 2021 | Norway

Skills / Subjects: Remote Sensing Techniques · GIS Techniques · Sustainable Land Use · Terrestrial Climate and Environmental Changes · Hydrology, Ground Water and Geohazars.

BSc. in Geography | Universidade de São Paulo
2015 – 2020 | Brazil

Thesis: Methodological analysis of temperature estimation: correlation between derived space-born remote sensing land surface temperature and air temperature.

Skills / Subjects: Cartography and GIS · Remote Sensing Applied to Ecology and Geography · Urban and Rural Geography · Biogeography · Urban Planning · Geomorphology · Pedology · Climatology · Environmental Geology · Management of Natural Resources

PUBLICATIONS

Nature Scientific Data
In development

Lima, Augusto; Hughes, Anna L.C.; Margold, Martin; Dulfer, Helen; Rentier, Eline; Barr, Iestyn; Laabs, Benjamin; Kamleitner, Sarah; Flantua, Suzette G.A. **MAPICE-LGM: Mapping of Alpine Paleoglacier Ice Extent during the Last Glacial Maximum**.

Atmosphere Journal | MDPI
Mar, 2022

do Nascimento, A.C.L.; Galvani, E.; Gobo, J.P.A.; Wollmann, C.A. **Comparison between Air Temperature and Land Surface Temperature for the City of São Paulo, Brazil**. Atmosphere 2022, 13, 491. https://doi.org/10.3390/atmos13030491

EGU General Assembly 2024
Apr, 2024

Ayala, Á., Robson, B., MacDonell, S., Navarro, G., Schaffer, N., Segovia, A., Petlicki, M., Kinnard, C., Schauwecker, S., Casassa, G., Vivero, S., and Lima, A.: **Monitoring the physical processes driving the mass loss of Tapado Glacier, Desert Andes of Chile**, EGU General Assembly 2024, Vienna, Austria, 14–19 Apr 2024, EGU24-13473, https://doi.org/10.5194/egusphere-egu24-13473, 2024.

REFERENCES

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