Contact

Phone
(858) 356-8859

Email
drathinalange@gmail.com

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athinalange.github.io

Experience

- Oceanography
- Project Management
- Numerical Modelling
- Computer Vision
- Machine Learning
- Scientific Coding

Language

English (Native)

French (Advanced, DALF C1)

German (Advanced, Abitur)

Certificates

FAA Part 107, UAV Pilot

Other Interests

Snowboarding

Knitting

Drone Piloting

Athina Lange
Technical Project Manager

Experienced technical professional with a rigourous scientific and project management background. Proficient in coordinating complex field campaigns to achieve diverse research objectives and utilizing cutting-edge technology, including remote sensing, numerical modeling, and deep learning, to enhance data collection and analysis. Seeking a Technical Project Management role to leverage my international experience and proven expertise in coordinating multidisciplinary projects, fostering collaboration, and delivering innovative solutions in dynamic environments.

Experience

2023 - Present

Scripps Institution of Oceanography | San Diego, CA

Postdoctoral Scholar

- Developed an innovative automated UAV rectification tool leveraging airborne LiDAR surveys and feature detection algorithms, reducing human oversight and enhancing efficiency in coastal monitoring projects.
- Coordinated a four-month-long field campaign involving cameras, LiDAR, and in-situ surveys to collect a comprehensive dataset of beach evolution.

2019 - 2023

Scripps Institution of Oceanography | San Diego, CA

Graduate Researcher

- Employed a multidisciplinary approach to improve wave runup forecasting involving theory, in-situ and remote observations, numerical modeling, computer vision, and deep learning.
- Orchestrated a comprehensive four-month-long field campaign, overseeing the deployment and operation of more than 17 specialized instruments and managing a team of 15 personnel to ensure the successful execution of data collection and multiple research objectives.

Education

2018 - 2023

Scripps Institution of Oceanography | San Diego, CA

Doctor of Philosophy (Ph.D), Oceanography

Thesis: Improved wave runup forecasts using remote observations and numerical models
Advisors: Mark Merrifield and Bob Guza

2014 - 2018

University College Dublin | Dublin, Ireland

Bachelor of Science (B.Sc.), Theoretical Physics