

References

Andreas Max Kääb

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Professor Andy is my supervisor and a highly esteemed scientist in Earth observation and the Cryosphere. I have taken his courses on “Remote Sensing” and “Advanced Remote Sensing and Topographic Analysis”. One of his notable contributions is the NuthKaab Co-registration, which inspired me to develop a Gradient Descent Co-registration for my Master’s thesis.

Désirée Treichler

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Dr. Désirée is the project leader of SNOWDEPTH and also my co-supervisor. I have also attended some GIS courses taught by her. We had a field trip together, which was reported by UiO Titan. When I began writing my thesis, we had extensive discussions on ICESat-2, DEM Co-registration and snow. Thanks to her guidance, we were able to publish my thesis as a paper (in submission).

Chong-Yu Xu

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Prof. Xu is a renowned hydrology scientist. He is in charge of the course GEO4300/9300 Geophysical Data Science. I excelled in this course during the fall of 2022 and served as a teaching assistant in the following fall of 2023. My job focused on teaching students how to use Python to handle geophysical datasets and applying statistical knowledge from lectures.

Guillermo Andrés Valenzuela Venegas

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Dr. Guillermo was one of my summer supervisors. He is an expert on energy system modeling. We explored how bias-free and fine-resolution weather/climate data can aid in designing an energy system with more resilience in future scenarios. We investigated the use of quantile delta mapping (QDM) and other machine learning models for this purpose, yielding promising results. One potential application is using renewable energy to power a telescope in the Atacama, Chili, as described in the AtLAST project.

Bo Wen

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Bo Wen is a chief geophysicist at BGP Prospector since I joined the team in 2016. I worked there until August 2020 when we completed Qaud35, a seismic project offshore Bergen, Norway. We collaborated closely for almost 4 years, and even after my transitioning to an office job for nearly a year, we have maintained communication. During my time at BGP Prospector, I developed numerous scripts for our daily processing routine. We have also co-authored several publications/presentations/patents together.