# Arne Bechensteen

**Ph.D. student in Signal Processing**

## CONTACT

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https://abechens.github.io
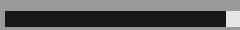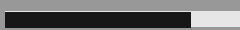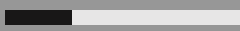
## Tools

MATLAB

Python

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## Languages

Norwegian  French  English  German

## Papers in journals

*"A continuous relaxation of the constrained l2 – l0 problem"* – To be published in Journal of Mathematical Imaging and Vision

*"New l2-l0 algorithm for single-molecule localization microscopy*. Biomedical Optics Express 11(2) 2020

## Passions

## About me

I am a Ph.D. student specializing in **image** and **signal processing**. **Trilingual** and with a multinational background, I am always striving to develop my knowledge in **applied mathematics**.

## Experience

**Ph.D. Student**                              2017 - 2020
at *the Morpheme team (CNRS, INRIA)*
Sparse optimization and biological image processing.

**Teacher assistant**                        2017 - 2020
at *Polytech Sophia Antipolis*
Teach graduate students in classes such as Image processing, Applied AI, and Advanced Machine Learning. We analyzed natural, medical, and aerial survey images.

**Research assistant**                              2016
at *Technical University of Denmark*.
Image processing on multispectral images.

**Research assistant**                        2013 - 2015
at *Norwegian Defence Research establishment*
I had a two-months internship each year, working on radar frequency analysis, high-speed video analysis, and 3D scanning.

## Education

**2012-2017**
**Institut National des sciences appliquées Toulouse.**
Mathematical and modeling engineering.

**2016**
**Universität Hamburg**
Exchange student. Modelling and simulations of complex systems.