



# Mads Mikkelsen

BSc in Physics,  
Molecular Astrophysicist

- June 19, 1999, Denmark
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- Mads@mik86.dk

## Social Network

- LinkedIn Page Link
- Github Page Link
- ORCID Link

## Languages

- Danish ● ● ● ● ●
- English ● ● ● ● ●
- Swedish ● ● ● ● ●
- Norwegian ● ● ● ● ●
- Spanish ● ● ● ● ●
- German ● ● ● ● ●

## Hard Skills

- Data Analysis, Interpretation and Presentation
- Interdisciplinary Cooperation
- Physics Experimentalist

## Soft Skills

- MacOS ● ● ● ● ●
- Microsoft Windows ● ● ● ● ●
- L<sup>A</sup>T<sub>E</sub>X, Pages & Keynote ● ● ● ● ●
- Python ● ● ● ● ●

## Working Experience

- 2023 – 2024 **Traffic Assistant** Sunclass Airlines  
Working on the ramp making sure that the aircraft gets prepared properly (fueling, catering, cleaning, power, etc.) through coordination with pilots, cabin crew, ramp agents and ramp supervisors. Managing up to 9 flights at once.
- 2022 – 2023 **Visitor Services** Aarhus University  
My primary role within the Aarhus University Visitor Services is to educate high school students in observational astronomy and conduct observations using Aarhus University's remote-controlled telescope (FUT). Additionally, as part of the Danish Student Cubesat programme (DISCO), I also educate high school students and teachers on CubeSats and satellite communication
- 2021 – 2022 **Caretaker for Mentally Handicapped People** Bofællesskab Stautruphus  
Mostly security at night, however I also distributed medication to the residents and made sure that every resident got to their respective activities. Also did regular caretaking – including keeping company and entertainment, preparing food, showering, etc..
- 2020 – 2020 **Inventory** Salling Group  
Working at night doing inventory of various supermarkets and stores throughout Midtjylland, Denmark.
- 2018 – 2018 **Delivery** Koma Sushi  
Preparing food and managing delivery for a local sushi restaurant.
- 2014 – 2015 **Car Washer and Floor Cleaner** Sand Jensen Automobiler A/S  
Washing exhibition cars and cars for sale at a local dealership and cleaning up the mechanic workshop after closing hours.

## Education

- 2024 – 2026 **Master of Science** University of La Laguna  
Took mandatory courses such as stellar structure, atmospheres and evolution, (extra)galactic physics, and computational techniques. Specialised in observational instrumentation with courses such as spectroscopic techniques, radioastronomy, high-energy astrophysics and astroparticles and much more.
- 2020 – 2023 **Bachelor of Science** Aarhus University  
Lectured on physics topics ranging from classical mechanics, advanced mechanics, quantum mechanics, astrophysics, special relativity, statistical physics, solid state physics, atomic and molecular physics. Also attended relevant mathematics courses along with a course on the philosophy and ethics of natural sciences. Mainly focused on astronomy and astrophysics and taking relevant courses in the regard.
- 2018 – 2019 **Military Service** The Royal Guard  
During my time in The Royal Guard, with focus on conscientiousness and discipline, I was trained as infantry and later appointed as Guard for the Danish Royal Family, palaces and castles. I was also appointed as spokesman for my platoon and *post for gevær*. In addition to the basic military education I also received courses in advanced first aid and transportation of dangerous goods.
- 2015 – 2018 **High School** Silkeborg Gymnasium  
I majored in mathematics and physics and minored in chemistry. I was taught the foundations of the scientific method, critical thinking, theoretical predictions and experimental verification. However, I was also exposed to basic Latin and Greek, political science and music theory.

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## About Me

I am a hard-working and strongly detailed-oriented individual who values punctuality and propriety balanced by humor and responsibility. I always keep deadlines and deliver products I am proud to present, however I prefer to decide when and how I spend my time working.

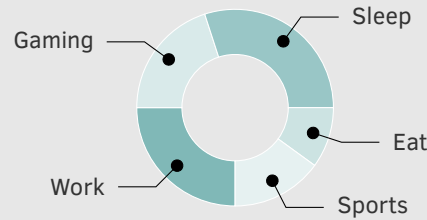
## Being Me

### Interests and Keywords

- Music
- Football
- Gaming
- Astronomy
- Science
- Technology
- Humor
- Detail-Oriented
- Simplistic
- Minimalistic



### Daily Life



## Few Interests

- Healer Classes
- Playing Chess
- Making Playlists
- Playing the Guitar

## Publications

2024	<b>Electron and Ion Processing of Pure and Mixed Interstellar Relevant Ices – In Prep.</b> <i>Mikkelsen et al.</i> Astronomy & Astrophysics
2024	<b>Electron induced formation of methyl formate and its isomers: A systematic FTIR and VUV spectroscopic study</b> <i>Traspas Muiña et al.</i> Astronomy & Astrophysics
2024	<b>Proton induced formation of methyl formate and its isomers: a systematic FTIR spectroscopic study.</b> <i>Traspas Muiña et al.</i> Astronomy & Astrophysics
2024	<b>DISCO-2 – An ambitious Earth observing student CubeSat for arctic climate research</b> <i>Dideriksen et al.</i> Frontiers in Remote Sensing
2023	<b>Formation of Solid Methyl Formate and its Isomers in the Interstellar Medium</b> <i>Mads Mikkelsen ; Sergio Ioppolo (Supervisor)</i> Bachelor’s Thesis – Aarhus University

## Extra Activities

2024	Online B1 Spanish Course	Techtitute España
2023	Held Public Lecture	Midtjysk Astronomy Society
2023	Airport Safety and Security Certificate	AENA // Tenerife Airport South
2023	Interuniversity Interdisciplinary Astrochemistry Course	
2021 – now	DanIsh Student Cubesat prOgramme – DISCO	Aarhus University
2021 – now	Observational Astronomy Group – FUT	Aarhus University
2019	Certificate in Transportation of Dangerous Goods	The Royal Guard
2019	Course in Advanced First Aid	The Royal Guard