



# Mads Mikkelsen

BSc in Physics,  
Molecular Astrophysicist

- June 19, 1999, Denmark
- Avenida Puente Cultural N° 5B, 4, 7
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- <https://madsykkelsen1.github.io/>
- 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.

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## About Me

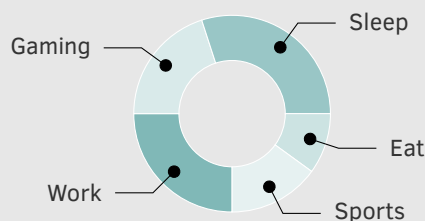
I am a hard-working and strongly detailed-oriented individual who values punctuality and propriety balanced by humor and responsibility. I always keep deadlines and deliver products I am proud to present, however I prefer to decide when and how I spend my time working.

## Being Me

### Interests and Keywords



### Daily Life



## Few Interests

Healer Classes

Playing Chess

Making Playlists

Playing the Guitar

## Education

2024 – 2026

### Master of Science

University of La Laguna

Continuing my astrophysics journey, I achieved my Master's Degree in astrophysics where I took mandatory courses such as stellar structure, atmospheres and evolution, (extra)galactic physics, and computational techniques. In addition to those courses, I 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

During my undergrad I was lectured on physics topics ranging from classical mechanics, advanced mechanics, quantum mechanics, astrophysics, special relativity, statistical physics, solid state physics, atomic and molecular physics. However, I also attended relevant mathematics courses along with a course on the philosophy and ethics of natural sciences. Throughout my degree I 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.

## Publications

2024

### Electron and Ion Processing of Pure and Mixed Interstellar Relevant Ices – In Prep.

Mikkelsen *et al.*

Astronomy & Astrophysics

2024

### Electron induced formation of methyl formate and its isomers: A systematic FTIR and VUV spectroscopic study

Traspas Muiña *et al.*

Astronomy & Astrophysics

2024

### Proton induced formation of methyl formate and its isomers: a systematic FTIR spectroscopic study.

Traspas Muiña *et al.*

Astronomy & Astrophysics

2023

### Formation of Solid Methyl Formate and its Isomers in the Interstellar Medium

Mads Mikkelsen ; Sergio Ioppolo (Supervisor)

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

Mads Mikkelsen