

# Finia Penelope Jost

## Education:

- 2003 – 2007      Elementary School: Haslochbergschule,  
Groß-Bieberau
- 2007 – 2015      Secondary school: Albert-Einstein-Schule,  
Groß-Bieberau  
Abitur with final grade: 1.0
- 2016 – 2020      Bachelor studies in Physics at TU  
Darmstadt  
Thesis: 'On the neutrino transport in core-  
collapse supernovae: A comparison of the  
FLASH and the Alcar code'  
Supervisor: Professor Almudena Arcones  
Bachelor of Science, Physics  
Final grade 1.94
- 2020 – 2022      Master studies in Physics at TU  
Darmstadt  
Thesis: 'Core-Collapse Supernova  
Simulations with Aenus-Alcar:  
Heating Factor and Progenitors'  
Supervisor: Professor Almudena Arcones  
Master of Science, Physics  
Final grade 1.15  
08/20 - 06/21: studies at KTH, Stockholm  
through ERASMUS+ scholarship

## Research interests:

Computational Astrophysics with a focus on  
Core-Collapse Supernovae

## Teaching:

TU Darmstadt, tutor in courses:

- winter 2018/2019      "Calculation methods for physicists"  
summer 2019          "Theoretical physics I: classical mechanics"  
winter 2019/2020      "Theoretical physics II: quantum mechanics"

## Scholarships:

- 08/2020 - 06/2021      ERASMUS+ scholarship for studies abroad  
at KTH, Stockholm



## Personal Information:

E-Mail:  
finia.jost@tu-darmstadt.de

Date of birth: 31.01.1997

Nationality: German

## Language competences:

*German:* native speaker

*English:* very proficient in  
writing and speaking – C1

*Swedish:* advanced level in  
writing and speaking – B2