

Henrik Knierim

curriculum vitae

Department of Astrophysics
University of Zürich
Winterthurerstrasse 190
8057 Zürich, Switzerland

Education

- 2015–2019 **Bachelor of physics**, *Ruprecht Karl University of Heidelberg*, Heidelberg
Bachelor's thesis: Planet population synthesis driven by pebble accretion in different disk environments - Supervisor: Prof. Dr. Bertram Bitsch, Max Planck Institute for Astronomy
- 2018–2019 **Research student**, *Kyoto University*, Kyoto
- 2019–2021 **Master of physics**, *Ruprecht Karl University of Heidelberg*, Heidelberg
Master's thesis completed collaboratively at Caltech and Heidelberg University: On the Shallowness of Atmospheric Circulation in Hot Jupiters - Supervisors: Prof. Konstantin Batygin, Caltech; Prof. Dr. Bertram Bitsch, Max Planck Institute for Astronomy
- Since 2022 **PhD Student in theoretical astrophysics**, *University of Zürich*, Zurich
Research focus: Mixing in giant planets, and the link between their composition and formation history. Supervisor: Prof. Dr. Ravit Helled, University of Zürich

Experience

- 2015–2016 **Independent entrepreneur**, Lübeck
Electronic commerce
- 2016–2018 **Managing director**, *Schön & Knierim GbR*, Bad Schwartau
Electronic commerce
Online-Marketing
- 2019 **Research assistant**, *Max Planck Institute for Astronomy*, Heidelberg
Topic: Numerical simulations of the opacity in protoplanetary disks - Supervisors: Sofia Savvidou; Prof. Dr. Bertram Bitsch

Languages

- German Native speaker
English Fluent in spoken and written English
Japanese Intermediate

Additional qualifications and special activities

- Scholarship of the Michael-Haukohl Foundation for rhetoric and debating
- Member of "Team Kyoto" for "The Negotiation Competition" 2019
- Repeated (4x) participation in Model United Nations of Lübeck
- Honorary work with refugees in Germany