

# Jan Rybizki

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twitter • github • LinkedIn

## ACADEMIC CAREER

### POSTDOC | MAX PLANCK INSTITUTE FOR ASTRONOMY

Since 2017 | Gaia group of Coryn Bailer-Jones | Postdoc representative

- A Gaia DR2 Mock Stellar Catalog | PASP
- Distances to 1.33 Billion Stars in Gaia DR2 | AJ
- New stellar encounters discovered in Gaia DR2 | A&A
- PI: Finding close encounters | 8 nights on FEROS

2017 - 2016 | Milky Way group of Hans-Walter Rix | Heidelberg, Germany

- Chempy: Constraining chemical evolution | A&A
- Optimal choice of chemical evolution parameters | ApJ

### PH.D IN ASTROPHYSICS | RUPRECHT-KARLS-UNIVERSITY

2015 - 2011 | Final grade: "cum laude" | Heidelberg, Germany

Thesis: Inference from modelling the chemodynamical evolution of the Milky Way

- Constraining the stellar initial mass function | MNRAS
- The local stellar luminosity function | MNRAS
- Dynamical and chemical evolution of the thin disc | AN

### DIPLOMA IN PHYSICS | GOTTFRIED WILHELM LEIBNIZ UNIVERSITY

2011 - 2005 | Final grade: 1.1 (equiv. to M.Sc. with GPA: 3.9) | Hannover, Germany

Thesis: LISA on-board optical fibers — Quantifying the impact of back reflections

2009 - 2008 | Student exchange year at USTB | Beijing, China

## VOLUNTEERING

### EMPLOYEE REPRESENTATIVE | RUPRECHT-KARLS-UNIVERSITY

2015 - 2014 | Weekly participation in employee council, voted deputy member

- Representing the interests of 13,000 employees at University of Heidelberg
- Overseeing legal affairs, equal opportunity, reorganization etc.

### EQUAL OPPORTUNITY | ASTRONOMY AND PHYSICS DEPARTMENT

2015 - 2012 | Member of the department's equal opportunity committee

- Deriving guidelines to mitigate gender gap in doctoral examinations
- Organizing the 17th Annual German Conference of Women in Physics

### STUDENT REPRESENTATIVE | IMPRS, ZAH

2015 - 2012 | Member of the IMPRS board and ZAH scientific council

- Organizing IMPRS retreats and the HGSFP Winterschool 2014
- Preparing and hosting the astronomy session of the Student Days 2014

## RECREATIONAL ACTIVITIES

Going to the playground with my family | Bouldering | Watching plays

## WORKING EXPERIENCE

### PUBLIC OUTREACH

COLLOQUIUM & CONFERENCE VIDEOS

2013 - 2012 | Design and online archive 'HJAC' and 'Protostars & Planets VI'

WORLD EXPO 2010 | PROTAGONIST

2010 Aug - Oct | Shanghai, China

Cast member of the German pavilion show

### TEACHING

2019 | Gaia summer school

2018 | Analysis of Gaia Data - Course

2017 | Internship - Oliver Philcox

### INTERNSHIPS

IMUG | AUTO RESOURCE EFFICIENCY

2011 Feb - Apr | Hannover, Germany

EMI | SATELLITE ORBIT INJECTION

2009 Aug - Sep | Freiburg, Germany

## SKILLS

### SELECTED PH.D COURSES

Empirical Inference - Learning from Data

Statistical methods block course

Astrostatistics school | Spain

Data visualization workshop | Austria

Galaxy modelling school | France

### EXTERNAL PRESENTATIONS

2018 | Public Talk | Heidelberg, DE

2018 | Gaia-Workshop | Heidelberg, DE

2015 | Gaia-ESO | Vilnius, LT

### COMPUTING

Experienced: Python •  $\text{\LaTeX}$  • Unix

Familiar: R • Fortran • C++ • MATLAB

### STATISTICAL EXPERTISE

Bayesian inference • Forward modelling

• Stochastic processes • Error analysis

### LANGUAGES

Proficient: German • English

Intermediate: Ukrainian • Chinese

Basic: Russian • French