Janna Goldstein

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Profile

In the final stages of a PhD in astrophysics, I am aspiring to start a career with a positive impact on the world. I am looking for opportunities to develop my skills, while making a meaningful contribution in an organisation whose values and aims align with my own.

Key Skills

Programming	I have designed and developed python software for numerous research and pastime projects. I have also contributed to a large code base developed in my research group aimed at data analysis for the LISA mission. This work included writing documentation, unit testing and data visualisation. I have taken several courses on software development in python and C++.
General computer skills	I have experience with version control (Git), Docker, High Performance Computing, LaTeX, and Linux (Ubuntu).
Communication	I have written two first-author papers that have been published in a peer-reviewed journal, as well as a PhD thesis, at a high standard of academic English. I have also presented my work at three conferences of the International Pulsar Timing Array collaboration. At outreach events, I have discussed scientific demonstrations with people of all ages. My teaching experience has taught me the importance of listening in addition to talking when aiming to transfer information effectively.
Analytical Thinking	Analysing problems and subsequently solving them has been at the core of my education. I also enjoy applying these skills to games and puzzles.
Leadership & Collaboration	I have worked collaboratively with fellow students, postdocs and academic staff members. I have organised and led python code review meetings for my research group. As a volunteer in environmental advocacy, I have coordinated groups, organised projects and meetings, and worked together with many different people.

Education

2016 - 2020 Postgraduate Research in Astrophysics (PhD, graduation Dec 2020)
University of Birmingham, United Kingdom
thesis title: *Null stream methods for resolvable Pulsar Timing Array signals*

2014-2016 Master Astronomy and Astrophysics (MSc. *cum laude*, GPA 79%)
University Of Amsterdam, the Netherlands
thesis title: *Reliability of the Parameterised Test of General Relativity on GW150914 and GW151226*

2011-2014 Bachelor (+hons) Physics & Astronomy (BSc. *cum laude*, GPA 86%)
University of Amsterdam, the Netherlands
thesis title: *Search for Burst Oscillations in the Rapid Burster's thermonuclear bursts*

2005-2011 VWO (pre-university secondary school) (GPA 86%)
Zaanlands Lyceum, the Netherlands
Modules included sciences, maths, and languages

Work Experience

2016-2018 Teaching Assistant, University of Birmingham
I helped students with their assignments and marked scripts for several first year courses.

2015 Teaching Assistant, University of Amsterdam
I taught a first year astronomy examples class and graded scripts and essays.

2014-2016 Trainer for Lyceo
I led workshops for secondary school students in preparation for their final exams.

2012-2014 Private tutor for secondary school students in maths and physics.

Awards

2018 Conference travel bursaries from the Institute of Physics and the Royal Astronomical Society

2016 Volkert van der Willigen scholarship for Astroparticle Physics
For research and travel after my masters

2016 International English Language Testing System (IELTS)
academic test score of 8.6/9

2014 Amsterdam Science Talent Scholarship
To cover MSc studies for academically excellent students

Other Interests

In my spare time I enjoy bouldering, cooking, and playing board games with friends.