## Richard Stiskalek

CONTACT INFORMATION	Website: richard-sti.github.io/ Github: github.com/richard-sti	Email: richard.stiskalek@protonmail.com Phone: $+420720153538$
RESEARCH INTERESTS	Gravitational-wave cosmology, galaxy formation, galaxy-halo connection, Bayesian inference	
EDUCATION	<b>Ludwig-Maximilians-Universität München</b> , Munich, Germany M.Sc. Physics, with a research thesis in Astrophysics	y 2020 – present
	University of Glasgow, Glasgow, UK B.Sc. Physics with Astrophysics with Honours of the First Cl	2016 – 2020 lass, GPA 21.3/22.0 (1st in class)
	<b>Hong Kong University of Science and Technology</b> , Kowloon, I Undergraduate Student Exchange Program, GPA 3.7/4.3	HK 2017 – 2018
WORK Experience	<b>Research Intern</b> , Max Planck Institute for Gravitational Physics Project: "EPSIE: an Embarrassingly Parallel Sampler for Infe Supervisor: <i>Dr Collin Capano</i>	
	<ul> <li>Added support for several Euclidean and non-Euclidean Chain Monte Carlo sampler), a reversible-jump MCMC su Research Intern, University of Oxford</li> </ul>	
	Project: "The dependence of subhalo abundance matching on Supervisor: <i>Dr Harry Desmond</i>	galaxy photometry and selection criteria"
	- Tested fundamental assumptions of clustering-fitted parametrised subhalo abundance matching modelling in both optically and HI-selected regimes, showed that the scatter in the galaxy–halo connection substantially increases in the faint galaxies and extended the domain of validity of the model	
	Research Intern, University of Glasgow Project: "Are stellar–mass binary black hole mergers isotropic Supervisors: <i>Dr John Veitch and Dr Chris Messenger</i>	06/2018 - 09/2018 cally distributed?"
	<ul> <li>Created a Bayesian model quantifying isotropy of the und stellar-mass binary black hole mergers</li> </ul>	
	<ul> <li>Data Analysis Intern, Amper Market, Prague, Czech Republic</li> <li>Examined imbalances in the electricity network, designed a market and wrote a specialised Python accounting program to</li> </ul>	
Publications	1. <b>R. Stiskalek</b> , J. Veitch & C. Messenger (2020) <i>Are stellar-mass binary black hole mergers isotropically distributed?</i> Monthly Notices of the Royal Astronomical Society, Volume 501, Issue 1, February 2021, Pages 970–977, doi.org/10.1093/mnras/staa3613; arXiv:2003.02919	
AWARDS AND	Kerr Bursary, University of Glasgow, School of Physics & Astr	
CERTIFICATES	Lang Scholarship, University of Glasgow, School of Physics & Undergraduate Summer Bursary, Royal Astronomical Society	
	<b>Dean's List</b> , Hong Kong University of Science and Technology,	
	<b>Astronomy 1 Prize</b> , University of Glasgow, School of Physics & <b>Matthew A Muir Bursary</b> , University of Glasgow, School of M	
	South East Asia Study Abroad Scholarship, University of Glas	
COMMUNITY INVOLVEMENT	Middle of Scotland Science Festival, Volunteer organiser	2018
SKILLS	Technical: Bayesian inference, numerical programming, machine	e learning, web scraping
	Programming languages: Python, C++, C Shell, LATEX	
	Natural languages: English, Czech, Slovak, French (intermediate	e), German (beginner)
Interests	Philosophy and history of Physics, sci-fi and fantasy novels, long	g-distance running