Richard Stiskalek

CONTACT INFORMATION

Website: richard-sti.github.io/ Email: richard.stiskalek@protonmail.com
Github: github.com/richard-sti Phone: +420 720 153 538

EDUCATION

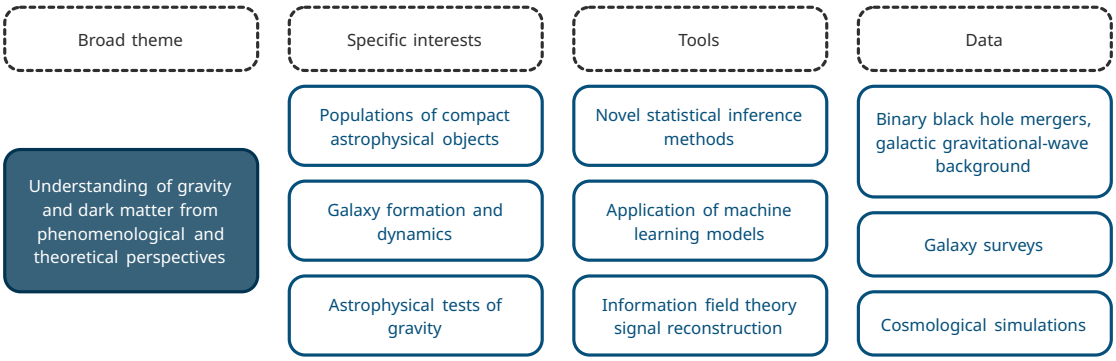
Ludwig-Maximilians-University, Munich, Germany 2020 – present
M.Sc. Physics, thesis on gravitational-wave birefringence
Thesis supervisor: *Dr. Miguel Zumalacárregui*

University of Glasgow, Glasgow, United Kingdom 2016 – 2020
B.Sc. Physics with Astrophysics with Honours of the First Class, GPA 21.3/22.0 (1st in class)
Adviser: *Dr. John Veitch*

Hong Kong University of Science and Technology, Kowloon, Hong Kong 2017 – 2018

Gymnazium Jakuba Skody, Prerov, Czech Republic 2008 – 2016

INTERESTS



RESEARCH EXPERIENCE

Research Intern, Max Planck Institute for Gravitational Physics (Hannover) 06/2020 - 09/2020
Project: "EPSIE: an Embarrassingly Parallel Sampler for Inference Estimation"
Supervisor: *Dr. Collin Capano*

Research Intern, University of Oxford 07/2019 - 09/2019
Project: "The dependence of subhalo abundance matching on galaxy photometry and selection criteria"
Supervisor: *Dr. Harry Desmond*

Research Intern, University of Glasgow 06/2018 - 09/2018
Project: "Are stellar–mass binary black hole mergers isotropically distributed?"
Supervisors: *Dr. John Veitch* and *Dr. Chris Messenger*

PUBLICATIONS

1. "The dependence of subhalo abundance matching on galaxy photometry and selection criteria" **R. Stiskalek**, H. Desmond, T. Holvey, M. G. Jones. MNRAS 506:3205. [arXiv:2101.02765]
2. "Are stellar-mass binary black hole mergers isotropically distributed?" **R. Stiskalek**, J. Veitch & C. Messenger. MNRAS 501:970. [arXiv:2003.02919]

WORK EXPERIENCE

Statistical Modelling Consultant, Primer Research, Munich, Germany 09/2021 - present
Middle of Scotland Science Festival, Volunteer organiser 2018
Data Analysis Intern, Amper Market, Prague, Czech Republic 06/2017 - 09/2017
Seafood Processor, Silver Bay Seafoods, Naknek, Alaska, USA 06/2016 - 09/2016

AWARDS AND SCHOLARSHIPS

DAAD Study Scholarship, German Academic Exchange Service 2021
Kerr Bursary, University of Glasgow, School of Physics & Astronomy 2020
Lang Scholarship, University of Glasgow, School of Physics & Astronomy 2019
Undergraduate Summer Bursary, Royal Astronomical Society 2018
Dean's List, Hong Kong University of Science and Technology, School of Science 2018
Astronomy 1 Prize, University of Glasgow, School of Physics & Astronomy 2017
Matthew A Muir Bursary, University of Glasgow, School of Mathematics & Statistics 2017
South East Asia Study Abroad Scholarship, University of Glasgow 2017

SKILLS AND KNOWLEDGE

Technical: Numerical & symbolic programming, statistical inference, machine learning
Programming languages: Python, Mathematica, C++, C, Shell, LaTeX
Natural languages: English, Czech, Slovak, French (intermediate), German (beginner)