

NICHOLAS FARROW

Web version, email for full text!

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EMPLOYMENT

Deloitte Summer Vacation - Analytics & Cognitive Consulting 2018

Project in large scale automation of database file transfer systems.

ResearchFirst Project Dec 2017 - Jan 2019

Monash University School of Physics & Astronomy Scholarship Project

Research on *The mass distribution of Galactic double neutron stars*, published 2019.

Ski Instructor

Falls Creek Snowsports School

2013 - 2019 part time

Niseko International Snowsports School (Japan)

2015/2016 season

Private Academic Tutoring

Physics for Graduate Medical School Admissions Test (GAMSAT)

2019

Year 10 & 12 Mathematics

2016-

PUBLICATIONS

Nicholas Farrow, Xing-Jiang Zhu, and Eric Thrane, *The Mass Distribution of Galactic Double Neutron Stars*, The Astrophysical Journal 876.1. [arXiv:1902.03300](https://arxiv.org/abs/1902.03300) (free) 2019

Nicholas Farrow, Isobel M Romero-Shaw, Simon Stevenson, Eric Thrane, and Xing-Jiang Zhu, *On the Origin of GW190425*. (under review) 2019

SKILLS

Advanced Python - particularly in Bayesian inference implementation using nested sampling and MCMC, data scraping (web), menial task automation.

See portfolio: git.nickfarrow.com

Adept Mathematics and Physics - strong ability to transfer skills into non-science fields; directly through applied mathematics, or indirectly through analytical, logical & problem solving strategies.

Computational - modelling, simulation, and data representation. Experienced in **Python**, **FORTRAN**, **Git**, **HTML**, **CSS**, **L^AT_EX**, **shell**, **Mathematica** and many Amazon Web Services (AWS) products. High knowledge of cryptocurrency & blockchain protocols, and markets 2013-. Expert IT problem solving with great awareness of available tools.

Linux & distributed computing systems - Proficient with **GNU/Linux** environment and remote server access. Parallel computing at Laser Interferometer Gravitational-Wave Observatory (LIGO), specifically using **HTCondor**. 2017-

Teaching - Extensive experience in teaching & instructing both adults and children, in individual and in group scenarios.

Presentation - Trained in public speaking and debating, passionate for presentation opportunities. Previously have presented to online teleconferences for LIGO Compact Binary Coalescence group.

EDUCATION

Bachelor of Science - Advanced Research, Monash University *2016-*
Currently completing Honours in Physics. Majoring in Physics, and Mathematics.
ResearchFirst Project Scholarship *2017*

Brighton Grammar School - ATAR 96.55, Academic Scholarship. *2010-2015*

QUALIFICATIONS

Australian Professional Snowsports Instructors Level 1 *2013*
Working With Children *2015*
Responsible Serving of Alcohol Certificate *2014*

COMMUNITY

Club Committee Member - Monash Snowsports Club. *2016 & 2017*
Member - Australian Alpine Club Falls Creek.
Camp Leader - Sony Childrens Camp for students with a mild to moderate intellectual disability (*2015*).
Volunteer from *2011-2014*.

LANGUAGES

English - Proficient in high level academic style.
Japanese (elementary proficiency).

INTERESTS

Skiing.
In addition to Physics & Mathematics, also great passion for Biology, Chemistry and all science!
Programming & Computer Science.