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-*

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`, `C`, `HTML`, `CSS`, LaTeX, `shell`, `Mathematica`, Blue Prism Automation (dev certified), and numerous Amazon Web Services (AWS) products. High knowledge of cryptocurrency & blockchain cryptography, protocols, and markets *2013-*. Expert IT problem solving with great awareness of available tools.

Linux & distributed computing systems - Proficient with `GNU/Linux` environment, remote server access, system maintenance, customisation and operations. 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.

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 (free) *2019*

Isobel M Romero-Shaw, **Nicholas Farrow**, Simon Stevenson, Eric Thrane, and Xing-Jiang Zhu, *On the Origin of GW190425.* Awaiting review. arXiv:2001.06492 (free) *2020*

EDUCATION

Bachelor of Science - Advanced Research, Monash University *2016-*
Honours in Physics (HIIA). Majors in Physics and Mathematics.
ResearchFirst Project Scholarship *2017*

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

QUALIFICATIONS

Blue Prism Accredited Developer *2020*
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 (& sometimes snowboarding..)
In addition to Physics & Mathematics, also great passion for Biology, Chemistry and science in general!
Quantitative Finance
Programming & Computer Science.
Passionate and driven to learn new concepts and skills.