NICHOLAS FARROW

Web version, email for full text!
nick@nickfarrow.com ◇ nickfarrow.com

EMPLOYMENT

Deloitte Graduate - Analytics & Cognitive Consulting *2020-*
Implementation of robotic process automation, and database feature builds at a leading telecommunications company.

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

Computational - I'm a builder and analyst. Excelling in system architecture, modelling, and simulation. Experienced in `Python, C, PHP, Git, JavaScript, HTML, CSS, FORTRAN,` LaTeX, `shell, Mathematica`. Also Blue Prism automation and numerous Amazon Web Services (AWS) products. Expert IT problem solving with great awareness of available tools. See my portfolio: git.nickfarrow.com

Bitcoin - Diverse and extensive knowledge of Bitcoin and other cryptocurrency protocols, markets, security, and cryptography *2013-*. Background in developing payment gateways with BTCPyment (on-chain and Lightning).

Advanced Python - Development of intricate software with a philosophy of simplicity and modularity. Most recently BTCPyment, previously with algorithmic trading, Bayesian inference using nested sampling, data scraping (web), and menial task automation.

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.

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` (*2017-2019*).

Teaching - Extensive experience in teaching & instructing both adults and children, in individual and in group scenarios. Enthusiastic in sharing knowledge, ideas, and opinions.

Presentation - Trained in public speaking and debating, passionate for presentation opportunities. Previously have presented to online teleconferences for LIGO working groups, as well as public physics talks for varying audiences.

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 *2019*

Isobel M Romero-Shaw, **Nicholas Farrow**, Simon Stevenson, Eric Thrane, and Xing-Jiang Zhu, *On the Origin of GW190425*, Monthly Notices of the Royal Astronomical Society: Letters, Volume 496, Issue 1. arXiv:2001.06492 *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 variety of contexts. For example, I may use detailed scientific style writings for analyses, argumentative structures for ideas, and 'plain English' for documentation or teaching.
Japanese - Elementary proficiency.

PASSIONS

Skiing & sometimes snowboarding..
Most areas of science, notably physics, astrophysics, computer science. Hobbyist programming & side projects.
The future of money and its implications for finance, humanity and politics.
Always excited to learn new concepts and skills, with many interests and not enough time.