

# NICHOLAS FARROW

Web version, email for full text!

Victoria, Australia

nicholas.w.farrow@gmail.com

## EMPLOYMENT

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**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  
Paper titled *The mass distribution of Galactic double neutron stars*, published in *The Astrophysical Journal*. See preprint <https://arxiv.org/abs/1902.03300> (free).

**Ski Instructor** 2013 - 2019 part time  
Falls Creek Snowsports School 2015/2016 season  
Niseko International Snowsports School (Japan)

**Private Academic Tutoring** 2019  
Physics for Graduate Medical School Admissions Test (GAMSAT) 2016-  
Year 10 & 12 Mathematics

## SKILLS

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**Advanced Python** - particularly in Bayesian inference implementation using nested sampling and MCMC, data scraping (web), menial task automation.  
See portfolio <https://github.com/NicholasFarrow>

**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<sup>A</sup>T<sub>E</sub>X**, **shell**, **Mathematica**. High knowledge of cryptocurrency & blockchain protocols, and markets 2013-. Expert IT problem solving with great awareness of available tools.

**Linux & distributed computing systems** - Laser Interferometer Gravitational-Wave Observatory (LIGO), specifically with parallel computing 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.

## EDUCATION

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**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

**Hampton Primary School** - House Captain 2009 2003-2009

## QUALIFICATIONS

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Australian Professional Snowsports Instructors Level 1	<i>2013</i>
Working With Children	<i>2015</i>
Responsible Serving of Alcohol Certificate	<i>2014</i>

## COMMUNITY

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Club Committee Member - Monash Snowsports Club.	<i>2016 &amp; 2017</i>
Member - Australian Alpine Club Falls Creek.	
Camp Leader - Sony Children's Camp for students with a mild to moderate intellectual disability ( <i>2015</i> ). Volunteer from <i>2011-2014</i> .	

## LANGUAGES

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

## INTERESTS

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