

Dr David John Arnold

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I am a mathematician interested in using quantitative techniques to provide value to stakeholders.

Key Skills

Excellent communicator
Well organised
Detail oriented
Advanced quantitative skills
Experienced programmer
Effective collaborator

Education

Bachelor of Mathematical and Computer Sciences, with First Class Honours,
The University of Adelaide,
Graduated 2012

Ph.D in Applied Mathematics,
The University of Adelaide,
Graduated 2016

Highlights

- 6 refereed journal articles
- T. M. Cherry Prize at ANZIAM2016 conference, for best student talk
- Dean's Commendation for Doctoral Research Excellence, The University of Adelaide, 2016
- Selected to participate in Fresh Science NSW, a media training and science communication program, 2019

Experience

Assistant Adjunct Professor

Department of Mathematics,
University of California, Los Angeles,
July 2016 to June 2019

Responsibilities:

- Teaching classes (40–210 students), involving curriculum definition, preparing and delivering lectures, managing teaching team, and preparing assessments.
- Produce high-quality research working collaboratively with colleagues from different technical backgrounds on a range of projects. Involved in all aspects from experiments to modelling and theory to writing journal articles.
- Mentoring undergraduate and postgraduate research students.

Lecturer in Applied Mathematics

Department of Mathematics and Statistics,
Macquarie University,
July 2019 to November 2020

Responsibilities:

- Teaching classes, involving presenting lectures, managing teaching team, developing new content and facilitating rapid change to online delivery in early 2020.
- Department seminar series organisation, including selecting and contacting potential speakers, organising the calendar and chairing the sessions.
- Produce high-quality research, continuing previous collaborations and establishing an individual research program.
- Promoting the discipline and the department by engaging with external stakeholders through media training and outreach activities.

References available on request