DAN SANDIFORD

PHD. CANDIDATE

Profile

I work with numerical models of the earth, including thermal convection in the mantle, plate motion and wave propagation.

Skills

Physical forward and inverse modelling

I use a range of community-driven software to model physical phenomena such as waves, fluids and heat flow.

Data science

Skills in data wrangling, time series analysis and spatial statistics / mapping.

Field work

Experience conducting managing long-term field work projects.

Written communication

Find my articles at https://www.authorea.com/users/8456

Education

Bachelor of Arts/Science, Monash University
Geology/History/Mathematics **2005-2010**

Bachelor of Science, (Honours), University of Melbourne
Seismology **2012-2013**

PhD, (Honours), University of Melbourne
Geophysics - Geodynamics **2014-**

Technical

Python R Linux

Experience

IBM Research (Australia)
Research Intern - Natural Resource Managment **2014-2015**

Geological / geophysical support to IBM Research team

Australian Geophysical Observing System
Field/Laboratory Assistant **2012-2013**

Seismometer installation, maintenance. Petrophysical core logging, thermal properties testing, experimental design, equipment maintenance, reports.

Melbourne Energy Institute
Research Assistant **2010-2012**

Promoting energy research, production of web and print publications, organisation of public seminar series.

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