

Damon Binder

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Website: <http://djbinder.com/>

Education

Princeton University PhD (2017 – Present)

- Studying theoretical physics, focussing on conformal field theories and the AdS/CFT correspondence
- Completed Master of Arts in September 2019
- Passed General Exam in January 2019

Advisor: Prof Silviu Pufu

GPA: 3.9/4.0

Publications: Listed at <http://djbinder.com/research/>

Coursework: *String theory, quantum field theory, general relativity, biophysics, experimental project*

Australian National University (2014 – 2016):

- Bachelor of Science (Advanced) (Honours)
- Graduated with First Class Honours in Physics and the University Medal

Major: Physics

Minor: Mathematics

GPA: 7.0/7.0

WAM: 94%

Honours Thesis: *Nuclear Interaction from Effective Field Theory*

Awards and Scholarships

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| 2017 – 2020 | John Monash Scholarship |
| 2016 | University Medal at Australian National University |
| 2014 – 2016 | National Undergraduate Scholarship |
| 2013 | Mary Foley-Elliott memorial for Dux of Townsville Grammar School |

Teaching

Princeton University (2018 – 2019):

- Assistant in instruction for *General Physics II* and *Classical Mechanics*

Australian National University (2017):

- Tutored courses on theoretical physics, differential equations, and quantum mechanics
- Developed course notes for a new quantum field theory course

Professional Experience

IT Support, Bruce Hall (2015 – 2016):

- Provided assistance to residents and staff with information technology
- Maintained internal website and liaised with university administration

Skills

- Python (NumPy, SciPy), Mathematica, JavaScript, Haskell
- Latex, Word, HTML and CASS, Beamer, PowerPoint, Excel

Interests

- Effective Altruism
- Creating simulations of physical systems (<http://djbinder.com/projects/>)
- History, particularly comparative and economic history
- Long distance running