

## Arjan Boerma

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## Experience

### University of Groningen

- 2014-present PhD Researcher, Micromechanics of Materials  
 Developed a combined Finite Element/Monte Carlo method  
 for computer simulations of cellular protein networks

### SieveCorp, Roden

- 2013 Engineering internship, food and pharmaceutical nanofiltration  
 Tested and designed components for self-contained cold filtration systems

## Education

### University of Groningen

- 2014 MSc in Applied Physics  
 2012 BSc in Applied Physics

### Praedinius Gymnasium, Groningen

- 2007 Gymnasium Nature & Health and Nature & Technology

## Teaching experience

### University of Groningen

- 2013-2017 Teaching assistant, Classical Mechanics  
 2013-2017 Teaching assistant, Special Relativity  
 2012 Teaching assistant, Biological Physics  
 2012 Teaching assistant, Electricity and Magnetism

## Academic service

### University of Groningen

- 2013-2014 Member of the University Committee for the Academic Practice  
 2011-2012 Advisory member of the board, School of Science and Technology  
 2011 Chairman of the student body, course committee for Physics

### T.F.V. Professor Francken, Groningen

- 2010-2013 Editor-in-chief of 'Francken Vrij' magazine  
 2009-2010 Member of the board  
 2008-2009 Chairman of the symposium committee

### G.N.S.V. Basic, Groningen

- 2009-2010 Chairman of the board

## Achievements and activities

- 2017 Presenting author at Biophysical Society Meeting, New Orleans
- 2016 Presenting author at APS March Meeting, Baltimore
- 2015-present Certified official for competitive Magic: The Gathering tournaments
- 2015 Participant in three-week study trip to India
- 2013 Presenting author at Physics@FOM, Veldhoven
- 2012 Presenting author at Student Research Conference, Utrecht
- 2011 Silver medalist in the University Physics Competition
- 2010 Participant in three-week study trip to Japan and South-Korea

## Skills

### Languages

Dutch native  
English academic level

### Computer

Programming Python, C, MatLab, PHP, Javascript  
Operating systems Windows, Mac OS X, UNIX  
Presentation HTML, Adobe Creative Studio,  $\LaTeX$ , Microsoft Office  
CAD/CAE AutoCAD, SolidWorks, COMSOL