

# Joshua Moerman

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## *Curriculum Vitae*

### Education

- 2015–present **PhD Computer Science**, *Radboud University*, Nijmegen.  
Research: Active automata learning
- 2013–2015 **Master Mathematics**, *Radboud University*, Nijmegen.  
Track: Algebra & Topology. Judicium: Summa Cum Laude.
- 2009–2013 **Bachelor Computer Science**, *Radboud University*, Nijmegen.  
Judicium: Summa Cum Laude.
- 2009–2013 **Bachelor Mathematics**, *Radboud University*, Nijmegen.  
Judicium: Summa Cum Laude.
- 2003–2009 **VWO**, *Christiaan Huygens College*, Eindhoven.  
Profile: NT (Natuur & Techniek) met Economie 1, 2.

### Experience

- 2011–present **Teaching assistant**, *Radboud University*.
  - 2016 Algoritmen en Datastructuren (2nd year computer science course)
  - 2016 Computability Theory (master course, mathematics)
  - 2015 Algoritmen en Datastructuren (2nd year computer science course)
  - 2015 Complexity Theory (master course, mathematics)
  - 2014 Algoritmen en Datastructuren (2nd year computer science course)
  - 2013 Reflectie (elective course on lambda calculus)
  - 2013 Ringen en Lichamen 2 (2nd year mathematics course)
  - 2012 Symmetrie (2nd year mathematics course)
  - 2012 Inleiding Combinatoriek (1st year computer science course)
  - 2012 Inleiding Wiskunde (1st year computer science course)
  - 2011 Discrete Wiskunde (same course as Inleiding Wiskunde / Combinatoriek)
- 2011–present **Self-employed**, *Vadovas*, <http://vadovas-studios.com/apps/>.  
KvK Nijmegen: 53323505. Released the following apps in the Apple App-store: *Cuboom* (co-created), *Zen Zoom* and *Gravity Beats*.
- 2010 **Software developer**, *Rodo*.  
Released the game *Dubble* in the Apple Appstore.

## Other

- 2016 Coach of Radboud University team at the ACM ICPC world finals (Phuket, Thailand). Award: first to solve problem A
- 2015 Coach of “That empty teamname”, second place at BAPC (Benelux programming contest), gold medal at NWERC (Northwestern Europe regional contest)
- 2014 Award: Bronze medal (tenth place) at the NWERC
- 2014 Award: Second place at the BAPC
- 2012–2014 Member of the website committee and the magazine committee of the mathematics student association Desda
- 2011 Volunteered at the IMO in Amsterdam
- 2011 Award: Second place at the Global Game jam at the HKU
- 2010 Nominated for the Dutch Game Awards with the game *Dubble*
- 2010–2014 PR for the double bachelor programme (Mathematics and Computer Science) at the Radboud University

## Programming skills

- Advanced C++, Obj-C, Haskell
- Basic C, HTML, Javascript, MySQL,  $\LaTeX$ , Go

## Languages

- Dutch **Mothertongue**
- English **Fluent**

## Publications

- POPL 2017 Learning Nominal Automata - Joshua Moerman, Matteo Sammartino, Alexandra Silva, Bartek Klin and Michal Szyrwelski
- LATA 2016 Minimal Separating Sequences for All Pairs of States - Rick Smetsers, Joshua Moerman and David N. Jansen
- ICFEM 2015 Applying Automata Learning in Embedded Control Software - Wouter Smeenk, Joshua Moerman, Frits Vaandrager and David N. Jansen