


# johnaslanides

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## info

 twodmin  
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 Australian Citizen

## links

 aslanides  
 aslanides.io  
 johnaslanides

## interests

Machine learning  
Artificial intelligence  
Software engineering  
Applied mathematics

## programming

Python • Julia  
C • Go • Java  
MATLab • L<sup>A</sup>T<sub>E</sub>X  
Mathematica  
JavaScript  
Excel/VBA

## conferences

CFAR (Berkeley, 2016)  
ACML (ANU, 2013)  
AIP (UNSW, 2012)

## languages

English (native)  
French (semi-fluent)  
Spanish (basic)

## misc

AMusA (Hons), Piano

## education

- 2015 - 2016 **MSc • Computer Science (Hons)** The Australian National University  
*First Class Honours and University Medal • 7.0/7.0 GPA*  
*Thesis: AIXIjs • Advisors: Dr. Jan Leike & Professor Marcus Hutter*
- 2008 - 2012 **BSc • Physics (Hons)** The Australian National University  
*First Class Honours • 6.2/7.0 GPA*  
*Thesis: Relativity Concept Inventory • Advisor: Professor Craig Savage*  
John Carver Honours Scholarship • CBE Undergraduate Award
- 2006 - 2007 **NSW High School Certificate** Canberra Grammar School  
*NSW Premier's Award • Member Ulysses Society • 99.25 UAI*

## experience

- 2015 - 2016 **Software engineer** Karma Wiki  
*Web development for a social network startup. Implemented numerous features, including draft and notification systems. Supervisor: Dayne Rathbone.*  
Go • Cassandra • Git • JIRA
- 2014 - 2015 **Software consultant** Stygron Systems  
*Software developer contracting for ACT Health. Designed and implemented systems for use in operating theatres and labs in the Canberra Hospital, and maintained existing medical supply chain systems. Supervisor: Mervyn Rose.*  
Centura • Microsoft SQL Server
- 2013 - 2014 **Graduate researcher** NICTA, The Australian National University  
*Compressed sensing for gravitational wave astronomy • Advisor: Dr. Ra Ina*  
*Structured prediction with CRFs • Advisor: Dr. Justin Domke*  
Australian Postgraduate Award • NICTA Scholarship
- 2013 **Teaching Assistant** The Australian National University  
*Taught theoretical physics: quantum mechanics, electromagnetism, and relativity. 90% rating in student feedback. Supervisor: Professor Joe Hope*

## publications

- 2013 J. S. Aslanides & C. M. Savage. "The Relativity Concept Inventory: development, analysis, and results", in *Physical Review: Physics Education Research* Vol. 9, Issue 1.