



# martinmadsen

software developer, [me@martinbjeldbak.com](mailto:me@martinbjeldbak.com)

## about

502/25 Walsh Street  
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Queensland  
Australia

26 years old  
+61 413 043 210  
[martinbjeldbak.com](http://martinbjeldbak.com)  
 / [martinbjeldbak](#)  
 / [martinbjeldbak](#)

## languages

bilingual Danish/English  
IELTS score: 8.0

## programming

Ruby on Rails  
Heroku, AWS, SQL  
LaTeX, HTML, Git  
JavaScript (ES6, React)  
OS X, Unix

## interests

machine learning  
TDD, functional  
programming  
service oriented  
architecture  
web development

## experience

- since 2016 **Lead Software Developer, Backend** NetEngine, Brisbane, Australia  
Ruby on Rails software developer working with our clients to build web-based systems across many different industries, from finance to flood mapping. I work on setting up infrastructure in AWS using CloudFormation, to building service objects in Rails and avoiding circular dependencies. I also partake in non-technical activities such as business planning, training new backend developers, etc.
- 2012-2014 **Student Software Developer** Falck Healthcare a/s, Aalborg, Denmark  
Development of Ruby on Rails-based system used daily by ca. 40 of Falck's physiotherapists to journal their patients' treatments and wellbeing.
- 2010-2014 **Founder** Divambu (shut down)  
Ran my own small company developing and hosting web sites for clients.


## education

- 2014-2016 **M.Sc. in Computer Science** Aalborg University (AAU), Denmark  
Majoring in Computer Science (120 ECTS)  
Specializing in Machine Intelligence
- 2014-2015 **Studying abroad** University of California, San Diego (UCSD), USA  
Fully accredited as part of the first year of my master's degree from Aalborg University
- 2011-2014 **B.Sc. in Computer Science** Aalborg University (AAU), Denmark  
Majoring in Computer Science (180 ECTS)
- 2008-2011 **Student** EUC Nord - Technical Gymnasium of Hjørring, Denmark  
Focus in physics and engineering

## other activities

- 2013-2014 **Student member of the Study Board** Aalborg University (AAU), Denmark  
Elected position. Handling of educations within Computer Science curricula at the university, quality assurance of education, handling of exemptions, etc.

## projects

- 2015 **XQuery Processor** University of California, San Diego,  / [martinbjeldbak/xquery-processor](#)  
Implemented a subset of the XQuery and XPath XML query languages in Java
- 2016 **A Hierarchical Tree Distance Measure for Classification** [martinbjeldbak.com/thesis.pdf](http://martinbjeldbak.com/thesis.pdf)  
Concluded my M.Sc. degree. Published in Proceedings of the 6th International Conference on Pattern Recognition Applications and Methods - Volume 1: ICPRAM 2017, pages 502-509

...and many other projects! I contribute as much as I can to open source and work on other projects for fun. For more examples, feel free to check out my GitHub profile, linked above.