

# martinmadsen

software developer, martinbmadsen@gmail.com

## about

6/99 Riding Road  
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24 years old  
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martinbjeldbak.com  
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## languages

bilingual danish/english  
IELTS score: 8.0

## programming

Ruby on Rails  
JavaScript  
Python (Numpy,  
Pandas, Scikit-learn)  
C, C#, Java  
SQL  
L<sup>A</sup>T<sub>E</sub>X, HTML, CSS  
Git, SVN  
Haskell (learning)  
Agile methods  
OS X, Unix

## interests

machine learning  
TDD, functional  
programming  
web development  
healthcare  
automotive industry

## experience

- since 2016 **Software Developer** NetEngine  
Software developer and consultant, working with clients, building web-based systems across many different industries, from finance to flood mapping.
- 2012-2014 **Student Software Developer** Falck Healthcare a/s  
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  
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  
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** UC 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. Currently in the process of getting published.
- 2014 **OpenTracker**  / martinbjeldbak/openTrackerAPI  
Rails app and corresponding Python plugin for the racing simulator video game Assetto Corsa, allowing anyone to view location and information of racers on track in real-time.

...and many others! 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.