

# martinmadsen

graduate student of computer science

## about

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## languages

bilingual danish/english

## programming

Ruby, Python  
C, C#, Java  
SQL, XQuery  
JavaScript  
(ES6, node.js, jQuery)  
L<sup>A</sup>T<sub>E</sub>X and X<sub>E</sub>L<sub>A</sub>T<sub>E</sub>X  
HTML, CSS3  
Git, SVN  
Haskell (learning)  
Swift (learning)  
Software engineering  
OS X, Unix

## education

- since 2014 **Studying abroad** University of California, San Diego  
Accredited as part of the first year of my master's degree from Aalborg University
- since 2014 **M.Sc.** in Computer Science Aalborg University (AAU), Denmark  
Majoring in Computer Science (120 ECTS)  
Specializing in Machine Intelligence
- 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



## experience

- 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.
- 2008-2010 **Service Worker** Fakta a/s  
Customer service, fulfilling everyday tasks required to run a busy grocery store.

## 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.
- 2012-2014 **Volunteer mentor** Projekt Solskinsunge 2012  
We arranged bi-monthly social gatherings for teenagers aged 15-18, most of who were second generation immigrants.

## projects

- 2015 **XQuery Processor** UC San Diego,  / martinbjeldbak/xquery-processor  
Implemented a subset of the XQuery and XPath XML query languages in Java.
- 2014 **Diversity Measurement in Genetic Algorithms** AAU, martinbmadsen.dk/bachelor.pdf  
Concluded my B.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.