

martinmadsen

graduate student of computer science

about

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languages

bilingual danish/english

programming

Ruby, Python
C, C#, Java
SQL, XQuery
L^AT_EX and X_EL_AT_EX
HTML, CSS3
Git, SVN
Haskell (learning)
Swift (learning)
Software engineering
OS X, Unix

interests

machine learning
web development
healthcare
automotive industry

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.

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.