# martin**madsen**
graduate student of computer science

## about

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## languages
bilingual danish/english

## programming
Python (Numpy,
Pandas, Scikit-learn)
Ruby, JavaScript,
Express.js
C, C♯, Java
SQL
LATEX, HTML, CSS3
Git, SVN
Haskell (learning)
Agile software
engineering
OS X, Unix

## interests
machine learning
TDD, functional
programming
web development
healthcare
automotive industry

## education

| | | |
|---|---|---|
| since 2014 | **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 |
| | 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 | |

## 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.