eliasobeid

master of science in computer science and engineering

about

Elias Khazen Obeid
February 7th, 1991

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language

trilingual
danish/english/arabic

programming and markup

C, C++, C#, CUDA,
Java, JavaScript,
Python, Ruby, Lua,
SQL, NoSQL, ReQL,
Haskell (learning),
Git, SVN, LaTeX, Unix,
Windows

main interests

cryptology
machine learning
computer security
multi-agent system
artificial intelligence
software engineering
software development

education

2014–2016	**M.Sc.** Computer Science and Engineering	The Technical University of Denmark

Four semesters (120 ECTS) of four months each. Master thesis with the topic of machine translation and natural language processing.

2011–2014	**B.Sc.** Computer Science	The University of Aalborg

Six semesters (180 ECTS) of four months each. Bachelor project with the topic of genetic algorithms.

2007–2010	**Student**	The Technical Gymnasium of Aalborg

Communication and Media

work experience

since 2016	**Backend architect**	Seez

Main fields of responsibility are the backend and API architecture, data management, and data crawling. Furthermore, I partake in the development of artificially intelligent autonomous systems.

since 2016	**Co-founder & machine learning consultant**	munk.ai

Startup company (in collaboration with co-authors of master thesis) which will provide API's for image recognition with a mission of providing generalized image recognition.

2015–2016	**Student developer**	Berlingske People A/S, Radio24syv

Development of website, API infrastructure, and other IT tools used internally. Mainly development with NodeJS with ExpressJs, AngularJS, and C#.

2014–2015	**Student developer**	Falck Healthcare A/S

Development of a booking system for a service, that Falck Healthcare offers its clients. Mainly web development with Ruby on Rails.

08–12 2013	**Assistant teacher**	The University of Aalborg

Assistant teacher in imperative programming with C.

02–07 2011	**Private (national service)**	Danish Emergency Management Agency

Firefighting education and emergency duty.

publications

Oct 2016	**Neural Machine Translation with Characters and Hierarchical Encoding**	arxiv.org/abs/1610.06550

We propose a model for translating between languages with a hierarchical architecture. It is fed with sequences of characters from a source language and produces a translated sequence of characters in a target language. We argue that, by comparison to current state of the art models, this hierarchical architecture reduces computational complexity, and that it improves translation performance.

other activity

2011–2011   **Education in Firefighting**   Danish Emergency Management Agency
Fire, Rescue, Environment and Communication.

2013–2014   **Member of the Board of Studies**   The University of Aalborg
Discussions of applications of qualifications and exemptions, study lines, quality assurance of education and the like.

2012–2014   **Volunteer mentor**   Danish Red Cross Youth
A project called Sunshine youth, with the purpose of motivating youngsters for an education in Aalborg (Denmark).