eliasobeid
master of science in computer science and engineering

about
Elias Khazen Obeid
February, 1991
Danish citizen

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language
trilingual
danish/english/arabic

programming, markup, and tools
Python, PyTorch,
CUDA, C, C++, C#,
Java, JavaScript, Ruby,
Haskell (learning),
SQL, NoSQL, ReQL,
Git, SVN, Docker, Vim,
Terminal, LaTeX, Linux,
Windows

main interests
deep learning
computer security
software engineering

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.

work experience

Since 2016 **Systems architect**   *Seez*
The founder had a vision of making it easier and more transparent to sell/buy a used car. For our first round of funding we raised $1.8m.
Initially I had the sole responsibility of building the backend, but almost three years down the road, we are now two senior engineers responsible for the still growing backend. We have systems scraping websites daily and a pipeline of cleaning that data such that it is ready to be served to the frontend through the API.
Other than expanding the code base, responsibilities lie in maintaining the machines running the backend, and also providing my opinion on technical matters and participating in final decisions.
Furthermore, I developed the first version of the company's web app, which is, of this writing, still in beta, but there are still a couple 100 weekly active users visiting the site. As of this writing, we have around 5k daily active users on our Android and iOS apps. All frontend devices communicate with the same API.
To list a few services and tools, we use PostgreSQL, Python3, VueJS, Git and Docker. We run most of the backend with Docker Swarms. We use Scrapy and Selenium for web crawling. Using that data, we apply machine learning techniques for a large array of applications, which are use throughout the company.

Since 2017 **Independent business consultant**   *Bits by Obeid*
General development and/or infrastructure maintenance on a project basis.

2015–2016 **Student developer**   *Berlingske People A/S, Radio24syv*
Website, API infrastructure, and other IT tools used internally. NodeJS with ExpressJs, AngularJS, and C# with Dokku (local hosting) and MongoDB for storage. Hosted with Heroku and custom local servers.

2014–2015 **Student developer**   *Falck Healthcare A/S*
Web development with Ruby on Rails using a PostgreSQL database.

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
             In NIPS RNN Symposium 2016.

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.