

SARAH STOLTZE

CURRICULUM VITÆ

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General information

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		Email:	sstoltze@gmail.com
		Homepage:	https://github.com/sstoltze
		Birthdate:	August 17, 1989

Experience

Issuu	Platform engineer, 2021–present	Worked on microservice platform serving other teams. Handled integrations to third parties, API design, payment, and OAuth implementation. Also responsible for introducing Rust at the company.
Udviklings- og Forenklingsstyrelsen	Developer, 2019–2020	Developer on a large Clojure project. Worked on both frontend and backend, integrations to other teams and components, and was responsible for development of a key component in the system.
Silkeborg Data	Developer, 2017–2019	Developer with a focus on mainframe programming and sole developer responsible for starting the RPA department focusing on solutions for customers.
Aarhus University	Teaching Assistant, 2010–2016	T.A. for various courses, including Algebra, Geometry, Mathematical Analysis, Linear Algebra, Perspectives in Mathematics and Calculus.

Education

2017	January	Aarhus University	Ph.D. in Mathematics, “Approximations to the loop space of flag manifolds” Supervisor: Marcel Bökstedt. (Github link).
2015	January	Aarhus University	Master of Mathematics.
2011	June	Aarhus University	Bachelor of Science in Mathematics with Computer Science as an elective subject.
2008	June	Esbjerg Gymnasium	Upper Secondary Education.

Skills

Programming: I have a strong background as a developer, with a strong focus on functional programming and static type systems. Languages I have used professionally include Clojure and other lisps, Python, Haskell, OCaml, Rust, Elixir, Typescript, Cobol, and various design languages like \LaTeX and HTML/CSS. I have extensive experience with Git, Jenkins and AWS.

Systems:	I have worked with both Windows, Linux, and z/OS mainframe systems, and I am familiar with their different qualities and strengths.
Statistics:	As part of my degree I have worked with basic statistical methods and models for handling data in SAS and Python.
Machine Learning:	I have studied machine learning and frameworks such as Tensorflow. I have also contributed to frameworks myself, e.g. CLML, a machine learning framework written in lisp.
Teaching:	I have taught and helped people throughout my Ph.D. programme. This included giving explanations of complicated concepts, and helping with calculations.
Communication:	During my career I have had to do joint work with a wide variety of people of various backgrounds. I have also given several lectures and talks on mathematical subjects, for both professionals and laypeople.

Extracurricular activities

2015–present	Dance classes and social dancing in various latin-american dances, including salsa, zouk, and others.
2010–2014	Board member of Eulers Venner, a lecture association at the Department of Mathematics, Aarhus University.
2014	Taught high school (gymnasie) students at the QGM Math Club.
2012–2014	Volunteer bartender at Kalkulerbar, the student bar at the Department of Mathematics, Aarhus University.
2009	Tutor for new students at Aarhus University.

Languages

Danish:	Native speaker.
English:	Fluent.