Curriculum Vitae for Fredrik Meyer

Personal information

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Born:	13.02.1989		

Summary

I am a mathematician with a love of teaching. I enjoy explaining hard concepts, both in a one-to-many and one-to-one setting. I enjoy encountering new problems, and spending time thinking of creative solutions. As a software consultant I have learned how to build robust software and write clean and maintainable code. As a programmer I enjoy working in the intersection between mathematical problems and implementing them in software. I especially like visualizations, and have some experience in UX patterns for mobile and web platforms.

Technical skills

Frameworks	Akka, JUnit, React, AWS (S3, ECR, DynamoDB, Greengrass, CloudWatch...)
Languages	Clojure, Java, Javacript, Kotlin, LaTeX, Python, HTML, React, Macaulay2, Scheme, SQL
Tools	Docker, Elasticsearch, Emacs, Git, Maven, Jetbrains IDE's, Postgresql

Education

08.2013 – 11.2017	PhD Research Scholar in algebraic geometry. I wrote a monography titled "Join of hexagons and Calabi–Yau threefolds".
08.2011 – 06.2013	Master in Mathematics at the University of Oslo. Degenerations of the Grassmannian G(3,6)".
08.2008 – 06.2011	Bachelor in mathematics at the University of Oslo.

Professional experience

03.2020 –	Consultant in Expert Analytics.
08.2017 – 02.2020	Software consultant in Bekk Consulting AS.

08.2013 – 08.2017	PhD Research Scholar at the University of Oslo.
08.2012 – 06.2013	Assistant teacher in mathematics at the University of Oslo.

Languages

English	Fluent
Norwegian	Native

Personal skills

Public speaking	I enjoy explaining problems and giving presentations. In june 2019, I held a lightning speech at NDC Oslo titled RSA in 10 minutes". I have also given several talks at internal conferences at Bekk Consulting AS (a longer version of the RSA talk, and also a lightning talk titled "One year as a consultant").
Writing	I enjoy writing about new stuff I learn and know. In 2016 I published the article "Hvorfor er kumlokk runde?" ("Why are man holes round?") in Aftenposten. I also have several articles in the student publication Argument.

Some interests and hobbies

Personal	Bouldering, generative art, mathematics, running, reading
Professional	Functional programmering, algorithms and complexity, machine learning, programming languages

Extended descriptions of selected projects

Activity	Audio analysis and edge computing
Period	04.2020 – 09.2020
Role	Cloud architect and backend developer
Staffing	Around 4 backend developers
Description	We implemented a solution for recording and analysing audio data on site. Analysed data are uploaded to AWS, from where customers can download it for further use.
Tools	AWS Greengrass, other AWS tools, Python, Git Actions.

Activity	Web and app development for public transportation
Period	04.2019 – 02.2020
Role	Software consultant
Staffing	4 people in my team

Description	I worked for the mobility team in a large Norwegian transport and ticketing organization. We worked on including alternative forms of transport in our public API's, and also making them available on the company's app and website.
Tools	React, React Native, Typescript, Flow, Bitbucket, JIRA, Google Cloud Platform, Google Firebase.

Activity	Web and backend development
Period	12.2018 – 04.2019
Role	Software consultant
Staffing	10+ developers
Description	I worked for a large public organization in the transport sector. My main task was implementing an Elasticsearch based search engine for their website (replacing their old CMS based search engine). I also rewrote several old web applications in more modern languages (such as Elm).
Tools	Java, Kotlin, Elm, Elasticsearch, Apache StormCrawler, RedHat OpenShift, Javascript.

Activity	Web and backend development
Period	08.2017 – 12.2018
Role	Software consultant
Staffing	~ 8 developers
Description	I worked for a large public organization in the transport sector. Our team built and maintained software for counting, storing, and aggregating traffing count data from the whole country. The backend was a distributive system written in Java and the Akka actor framework. The data was stored in an Elasticsearch cluster, and the frontend was written in React.
Tools	Java, Testcontainers, Docker, Scala, React, Elasticsearch, SQL, Vagrant.