

## Curriculum Vitae for Fredrik Meyer

### Personal information

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### Summary

I have a PhD in mathematics in the field of algebraic geometry, obtained in 2017. In the two and a half years after that, I worked as a software consultant at Bekk Consulting AS. During my time studying mathematics I was exposed to teaching, both in one-to-many and one-to-one forms. I learned a lot of mathematics, and find learning new technical material easy and fun. As a software consultant I have learned how to build robust software and write good and maintainable code.

### Technical skills

Frameworks	Akka, JUnit, React.
Languages	Clojure, Java, Javascript, Kotlin, $\text{\LaTeX}$ , Python, HTML, React, Macaulay2, Scheme.
Tools	Docker, Elasticsearch, Emacs, Git, Maven, JetBrains IDE's.

### 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 the natural sciences. "Matematikk, informatikk og teknologi" at the University of Oslo. The spring semester of 2011 was spent at the University of Illinois at Urbana–Champaign, USA.

## Professional experience

03.2020 –	Consultant in Expert Analytics
08.2017 –	Software consultant in Bekk Consulting AS.
02.2020	
08.2013 –	PhD Research Scholar at the University of Oslo.
08.2017	
08.2012 –	Assistant teacher in mathematics at the University of Oslo.
06.2013	

## 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 programming, algorithms and complexity, machine learning, programming languages.

## Extended descriptions of selected projects

Activity	Web and app development
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 trafficking 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.