

# Fredrik Erlandsson

PhD Computer Science

Passionate and creative data scientist from Sweden with high attention to details and keen to learn more. People-oriented, social and always willing to help.

Karlskrona, Sweden 📍

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linkedin.com/in/fredrikerl/ in

## Work Experience

### Assistant Professor

Blekinge Insitiute of Technology, Karlskrona.

01/2019—

- Bigdata research with data from social media.
- Responsible teacher for the following courses; Database Systems, Computer Security, & Software Security.
- Thesis supervision.

### Lecturer

Blekinge Insitiute of Technology, Karlskrona.

07/2017–12/2018, 01/2006–06/2012

- Responsible teacher for the following courses; Communication and Network Security, Data Communications and Network Technologies 1 & 2, Wireless Personal Area Networks, Network Security.
- Responsible for the laboratory environment at the department. Operation, administration and maintenance of computer and network systems.
- Thesis supervision.

### Jr. Specialist

UC Davis, Davis, CA.

01/2013–12/2013

- Hired to develop a tool that crawls open pages on Facebook.

## Education

### Ph.D, Computer Science – Social network analysis

Blekinge Insitiute of Technology, Karlskrona.

06/2012–01/2018

Thesis, featured in NyTimes ( [nyti.ms/2KDfaHU](https://nyti.ms/2KDfaHU) )

*Human Interactions on Online Social Media – Collecting and Analyzing Social Interaction Networks*, ISBN 978-91-7295-344-4

### Master of Science, Computer Science – Security

Blekinge Insitiute of Technology, Karlskrona.

08/2004–12/2005

Awarded with **Best regional Master Thesis**  
*Sparbanksstiftelsen kronan*, Kalmar.

## Technical (IT) Skills

### Data science

Python	★★★★★
SciKit Learn	★★★★★
Jupyter Notebook	★★★★★
Pandas, Numpy	★★★★★
R	★★★☆☆
SQL (MySQL, MariaDB, SQLServer)	★★★★★
NoSQL (MongoDB, Cassandra)	★★★☆☆
Hadoop (Pig, Hive), Spark	★★★☆☆

### Languages

Java (inc. Android)	★★★☆☆
C / C++	★★★☆☆
Java Script	★★★★☆
Web dev. (PHP/HTML/CSS)	★★★★☆

### Cloud services

Docker	★★★★☆
AWS	★★★★☆

### Other

LaTeX	★★★★★
Git	★★★★★
Office	★★★★☆
Unix terminal (bash, sed, awk, perl etc.)	★★★★☆
Unix system (FreeBSD & Linux)	★★★★☆

## Interests

- Data mining
- Home automation
- Traveling
- Skiing

## References

- Henric Johnson, Unit Manager – Innovation and Research Council, Swedish embassy Washington D.C.
- Felix S. Wu, Associate Dean – Department of Computer Science, UC Davis.
- Piotr Brodka, Assistant Professor of Computer Science – Department of Computational Intelligence, Wrocław University of Science and Technology.