

Davide Taviani

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Experience

Self Employed

FULL STACK SOFTWARE DEVELOPER

June 2017 - current

- Development and maintenance of a Clojure(script) project

Synple

DATA LEAD

[Amsterdam, The Netherlands](#)

Oct 2017 - May 2018

- Designed and implemented the Data Pipeline using Clojure and Kafka, along with PostgreSQL and Metabase
- Deployed the data pipeline on AWS using Ansible/Packer and CloudFormation
- Managed a small team of Data Scientists

Studyflow

FULL STACK SOFTWARE DEVELOPER

[Amsterdam, The Netherlands](#)

May 2014 - May 2017

- SPA development using Reagent (React) and Re-frame
- Co-authored an Event-Sourcing library in Clojure: *rill-event-sourcing*
- Designed and implemented the infrastructure on bare metal with Ansible
- Developed a Rails-based authoring & publishing application

ASML

METROLOGY DESIGN ENGINEER

[Eindhoven, The Netherlands](#)

Nov 2013 - May 2014

- Implemented software for the metrology department of EUV lithography machines NXE:3300 and NXE:3350B

Education

Universiteit Utrecht

MSC. IN MATHEMATICAL SCIENCES

[Utrecht, The Netherlands](#)

Sep 2011 - Oct 2013

- Specialization: Scientific Computing
- Master thesis: *Iterative sparse matrix partitioning*, under the supervision of Prof. dr. Rob H. Bisseling (Parallel Computing)

Università degli Studi di Ferrara

BS IN MATHEMATICS

[Ferrara, Italy](#)

Sep 2008 - Jul 2011

- Final grade: 110/110 cum Laude
- Bachelor thesis: *Total Variation image denoising from Poisson data: Split Bregman methods and Alternating Extragradient methods* under the supervision of Dr. Prof. Valeria Ruggiero (Numerical Analysis)

Coursera

DEEP LEARNING SPECIALIZATION

Sep 2017 - Dec 2017

- **Courses completed:** Machine Learning, Neural Networks and Deep Learning, Improving Deep Learning Networks, Structure Machine Learning Projects, Convolutional Neural Networks

Skills

- | | |
|--------------------|---|
| Development | Clojure, Clojurescript, C/C++, Ruby (Rails and Sinatra), Python, Shell scripting, Linux system administration
React, CQRS, Event Sourcing, Kafka, PostgreSQL |
| Devops | Ansible, AWS CloudFormation, Packer, Gitlab CI/CD administration |
| Languages | Italian, English, Greek (basic level) |

Extracurricular Activity

Wikipedia

ADMINISTRATOR

Sep. 2006 - Jan 2017

- 25000+ edits on the italian version of Wikipedia

Various publications and websites

PHOTOGRAPHER

- Worked professionally for the summer of 2005
- Pictures features in National Magazines and various websites

Honors & Awards

2008 **Roberto Ruffilli Prize**, for graduating with the highest mark

Cesena, Italy

Presentation

Dutch Clojure Meetup - September 2015

Amsterdam, The Netherlands

PRESENTER

Sep. 2015

- **Event Sourcing at Studyflow / 2:** Discussion of our Event Sourcing framework, with focus on the advantages and drawbacks of having a in-memory read-model
- Slides: <https://speakerdeck.com/helios/2>

Dutch Clojure Meetup - April 2017

Amsterdam, The Netherlands

PRESENTER

Apr. 2017

- **Event Sourcing, CQRS and scalability - a status update:** Discussion of the challenges in scalability of our Event Sourcing framework after three years in production with half a billion events, with particular attention to the different strategies in scaling reads and writes.
- Slides: <https://speakerdeck.com/helios/event-sourcing-cqrs-and-scalability-a-status-update>

Interests

Dungeons & Dragons (as DM), Electronics (Arduino & Raspberry Pi), 3d printing, synthesizers, Chess and board games