Davide **Taviani**

✉ info@davidetaviani.com | 🏠 http://davidetaviani.com | 🐙 Heliosmaster | 🌱 helios | 💼 davide.taviani | 🐦 @helios

Experience

Delivering Technology

OWNER / SENIOR CLOJURE CONSULTANT — *June 2018 - current*

- Design, development and maintenance of Clojure(script) projects
- Technical advice and consultancy

Functional Works — *Remote*

SENIOR CLOJURE DEVELOPER — *Feb 2019 - current*

- Full-stack development using Clojure/Clojurescript, Re-frame, GraphQL

Sous-chef — *Amsterdam, The Netherlands*

FOUNDER — *Aug 2018 - current (on hold)*

- Idea, design and implementation
- Clojure coaching

Synple — *Amsterdam, The Netherlands*

DATA LEAD — *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 — *Amsterdam, The Netherlands*

FULL STACK SOFTWARE DEVELOPER — *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
- Managed a small team of developers and participated in strategic decisions

ASML — *Eindhoven, The Netherlands*

METROLOGY DESIGN ENGINEER — *Nov 2013 - May 2014*

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

Education

Universiteit Utrecht — *Utrecht, The Netherlands*

MSc. IN MATHEMATICAL SCIENCES — *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 — *Ferrara, Italy*

BS IN MATHEMATICS — *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
	React, CQRS, Event Sourcing, Kafka, PostgreSQL, Redis
Devops	Linux System Administration, Ansible, AWS CloudFormation, Docker, Packer, Gitlab CI/CD configuration & administration, bare-metal
Languages	Italian, English, Dutch (basic level), Greek (basic level)

Extracurricular Activity

Wikipedia
Administrator & contributor   *Sep. 2006 - Jan 2017*
- 25000+ edits on Wikipedia and Wikimedia projects in various languages

Various publications and websites
Photographer
- Worked professionally for the summer of 2005
- Pictures featured 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