Davide **Taviani**

✉ info@davidetaviani.com | ⌂ https://davidetaviani.com | ⬡ Heliosmaster | ⚡ helios | in davide.taviani | 🐦 @helios

Experience

Gaiwan	*Remote*
Senior Clojure Developer	*Jul 2019 - current*

- Full-stack development using Clojure/Clojurescript
- Writing of training material

BQTX	*Remote*
Senior DevOps Engineer (contract)	*Jul 2019 - Dec 2019*

- Organized CI/CD workflow
- Provisioning and managing the stack on AWS using Ansible

Functional Works	*Remote*
Senior Clojure Developer (contract)	*Feb 2019 - Jun 2019*

- Developed Full-stack using Clojure/Clojurescript, Re-frame, GraphQL
- Developed a GitHub bot to keep repositories synchronized across organizations
- Frontend work using Sass

Self-employed	*Remote*
Senior Clojure consultant	*June 2018 - current*

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

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
- Developed an Event-Sourcing/CQRS 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

ClojureD 2020   *Berlin, Germany*

SPEAKER   *Feb 2020*

- Life in parens: simulating an ecosystem with Clojure
- Slides: `https://tinyurl.com/life-in-parens`

Dutch Clojure Meetup - September 2015   *Amsterdam, The Netherlands*

SPEAKER   *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*

SPEAKER   *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, 3d printing, synthesizers and board games