

# Curriculum Vitae

of

## Fabrizio Ferrai

Software Engineer, Consultant, Algoraver

### Personal Data & Contact

🏠 Location: Helsinki, Finland  
🇮🇹 Citizenship: Italian  
✉ E-mail: [fabrizio@ferrai.io](mailto:fabrizio@ferrai.io)

🌐 Website: [ferrai.io](http://ferrai.io)  
🐱 Github profile: [github.com/f-f](https://github.com/f-f)  
🐦 Twitter: [@fabferrai](https://twitter.com/fabferrai)

### Short Bio

Curious being, hungry learner, spreading the good vibes. Also, they say I make good pizza. Things I'm currently most interested in: *Sustainable Software Engineering, Developer UX, DevOps, Software Architecture, Programming Language Theory/Design/Implementation.*

### Work Experience

2019 Nov - now	<b>Freelance Software Engineer, Consultant</b> <i>Notable clients:</i> <a href="#">SignalVine</a> , <a href="#">KSF Media</a> <i>Tech:</i> Haskell, PureScript, Dhall	Helsinki, Finland
2017 Jun - 2019 Nov	<b>KSF Media Ab</b> <i>Role:</i> Senior Software Engineer, Team Lead <i>Hammers:</i> Haskell, PureScript, Dhall, Kubernetes	Helsinki, Finland
2017 Jan - Jun	<b>Siili Solutions Oyj</b> <i>Role:</i> Software Engineer, Consultant <i>Notable clients:</i> <a href="#">Elisa</a> <i>Tech:</i> Clojure, Java	Helsinki, Finland
2013 - 2015	<b>Nuvola Srls</b> <i>Role:</i> Software Engineer <i>Tech:</i> Python, JS, PHP, PostgreSQL	Milan, Italy
2011 - 2016	<b>Freelance Software Engineer, Consultant</b> <i>Notable clients:</i> <a href="#">Sysdig</a> , <a href="#">Algebris</a> , <a href="#">Helvar</a> <i>Magic wand:</i> Clojure/ClojureScript	Europe, Earth

### Education

2014 - ?	<b>Master</b> of Computer Science Engineering	Aalto University, Finland
2011 - 2014	<b>Bachelor</b> of Engineering of Computing Systems <i>Grade:</i> 97/110	Politecnico di Milano, Italy
2006 - 2011	Science High School <b>Diploma</b> <i>Grade:</i> 100/100	2nd Level College of Science "L. Mossa", Olbia, Italy

## Programming & Technologies

Proficient in: *Haskell, PureScript, Clojure/ClojureScript, Dhall, Python, JavaScript, Java, HTML&CSS&DOM*

Familiar with: *Rust, C, C++, Idris, Bash, Go, Racket, Vala, SQL, PHP,  $\LaTeX$*

Tech I use/love: *Linux, Nix, ZFS, Git, Nginx, Kubernetes, Docker, AWS (S3, EC2, ECS, Lambda, DynamoDB, etc), GCP (GCS, GKE, GCE, Firestore, etc), CI&CD, PostgreSQL, MySQL, MongoDB, Ansible, Terraform, Flask, Django, Servant, NodeJS, Compojure, re-frame, Reagent, ReactJS, AngularJS, BackboneJS, jQuery, Apache Spark...*

## Spoken Languages

**Italian:** Mother Tongue

**Sardinian:** Mother Tongue

**English:** C2 Level. Certification: TOEIC, July 2014 (Score: 955/990)

**Swedish:** A2 Level

## Interests, Memberships & Achievements

**Open Source** [PureScript Language](#) Core Team member. Main author and maintainer of [Spago](#), the official package manager and build tool.

Core contributor to the [Dhall Language](#) and [its Haskell compiler](#). Author of [its Clojure compiler](#) and maintainer of [its Kubernetes integration](#).

Core contributor to Snake ([snake.li](#)), a privacy-aware, end-to-end encrypted social network. The project is now defunct.

**Public Speaking** "[A package manager? I could write that in a weekend](#)", ClojuTRE, Sept 2019

"[Live-coding a Compiler: A Challenge](#)", Heart of Clojure, Aug 2019

"[Purely Functional DevOps with Dhall](#)", ClojuTRE, Sept 2018

**Music** Algorithmic composer and livecoder, art name [CASSALPOPOLO](#). Released the EP [Arangiu](#) in September 2019.

Main composer and producer of the band Lights in The Distance. Released the album [Through The Needles](#) in April 2017.

**Communities** Former President of Politecnico Open unix Labs ([poul.org](#)), a hackerspace and association of Politecnico di Milano students interested in Linux, hacking and FOSS.

Former Students' Representative for the School of Engineering of Politecnico di Milano.

Former member of "Tower of Hanoi", the Politecnico di Milano Computer Security Team. Its activities included participating in international CTF (Capture The Flag) competitions and organizing the PoliCTF. Author of several CTF Challenges, mostly Cryptography.

Member of Mensa Italy since 2014 ([mensa.org](#))