# Curriculum Vitae
## of
# Fabrizio Ferrai

Software Engineer, Hacker, Consultant

## Personal Data & Contact ✏

🏠 Location: Helsinki, Finland

🏳 Citizenship: Italian

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Github profile: github.com/f-f

🐦 Twitter: @fabferrai

🔑 GPG Key Fingerprint: 660B AD4A 3494 9D71

## Short Bio 👤

Software Engineer, Hacker, Consultant, Algoraver.
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, Programming Language Theory and Design, Software Architecture, DevOps, Developer UX*.

## Work Experience 💼

| | | |
|---|---|---|
| 2017 Jun - 2019 Nov | **KSF Media Ab** | Helsinki, Finland |
| | *Role:* Senior Software Engineer, Team Lead | |
| | *Hammers:* Haskell, PureScript, Dhall, Kubernetes | |
| 2017 Jan - Jun | **Siili Solutions Oyj** | Helsinki, Finland |
| | *Role:* Software Engineer, Consultant | |
| | *Notable clients:* Elisa Oyj | |
| | *Tech:* Clojure, Java | |
| 2013 - 2015 | **Nuvola Srls** | Milan, Italy |
| | *Role: Software Engineer* | |
| | *Tech: Python, JS, PHP, Postgresql* | |
| 2011 - 2016 | **Freelance Software Engineer, Consultant** | Europe, Earth |
| | *Notable clients:* Sysdig.com, Algebris.it, Helvar.fi | |
| | *Magic wand:* Clojure/ClojureScript | |

## Education 📖

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

# 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, GCP, TravisCI, PostgreSQL, MySQL, MongoDB, DynamoDB, Robot Framework, Selenium, 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**    Main author and maintainer of Spago, a package manager and build tool for PureScript.

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, project 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)