

# Nicolas Mattia

## EMPLOYMENT

**Pusher Ltd., Platform Engineer** Oct 2015 - Jul 2016, London.

- Contributed to the design and development of a high-performance, distributed PubSub system.
- Developed a pluggable system for reporting and monitoring servers' performance.
- Wrote [pusher/nagios-sink](#), a simple service that gathers Nagios endpoints statuses.

**EPFL, Lab coach for ELECTRICAL ENGINEERING I & II** Jan 2012 - Jul 2012, Lausanne.

Assisted with the preparation of hands-on electrical engineering exercises, and coached the students.

**EPFL, Assisting student for ELECTRICAL ENGINEERING I & II** Sep 2011 - Jan 2012, Lausanne.

Helped the students during exercise sessions and corrected exams.

## EDUCATION

### ETHZ

**Msc (Information Technology & Electrical Engineering)** Sep 2013 - Jul 2015, Zurich.

Graduated in *Systems & Control* from the *ITET* department.

### TUWien

**Erasmus** Oct 2012 - Jul 2013, Vienna.

Erasmus year in Vienna as Elektrotechnik/Bau-ingenieur.

### EPFL

**Bsc (Micro-Engineering)** Sep 2010 - Jul 2013, Lausanne.

Graduated as *Microtechnicien* (micro-engineer) from the *MT* department.

## PROJECTS

**London Haskell Hacking, Haskell coding dojo**

[meetup: London-Haskell-Hacking](#)

Founded and organized a bi-monthly coding event in London Shoreditch. The events consist of a short talk by an expert followed by a coding session.

**rulex, Ruby wrapper for  $\LaTeX$**

[nmattia/rulex](#)

*rulex* leverages Ruby's convenient syntax in order to script text files. The first goal of the library is to simplify the use of  $\LaTeX$ .

**Snake It Out<sup>3</sup>, Snake game on a 3D grid**

[nmattia/SnakeltOut](#)

A Snake-like game in a cubic world, with synchronized music. The game is available on the playstore as [Snake It Out<sup>3</sup>](#).

## PUBLICATIONS

**Toehold DNA Languages are Regular**

By Sebastian Brandt, Nicolas Mattia, Jochen Seidel, and Roger Wattenhofer, 2015. In *ISAAC'15*.

## LANGUAGES

- French (native)
- English (fluent)
- German (social and limited professional proficiency)
- Italian (beginner)

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