

# Matteo Pellegrino

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## Experience

### Machine Learning and Computer Vision Intern

Gen 2020 - Lug 2020, Datalogic USA, Pasadena, California

Synthetic image generation/augmentation **API development**. Design and implementation of a **Python** library to generate and manage artificial datasets. Other relevant tasks: internal tools integration and re-engineering, documentation writing and containerized deploying through **Docker**.

### Full-stack Web Developer Intern

Jul 2014 - Sep 2014, Multitraccia SC, Reggio Emilia

Development of an appointment scheduling application in **PHP**. Front-end specifications built in collaboration with a graphic designer.

## Personal Projects

### Dokey

Nov 2017 - Feb 2019, [www.matteopellegrino.me/dokey-web](http://www.matteopellegrino.me/dokey-web)

Dokey is a productivity app for professionals. Thanks to this project I enforced my **Android (Kotlin)** skills, with a particular focus on efficient and dynamic custom views. I also took care of the **UI/UX design** of the entire platform and brand. Dokey was involved in the application program of AlmaCube, a startup incubator in Bologna. During this experience, I learned about the startup environment and **lean approach**.

### Hacker News Read Time

Nov 2019, [www.github.com/arabello/hn-read-time](https://www.github.com/arabello/hn-read-time)

**Chrome extension** showing read time preview of [news.ycombinator.com](https://news.ycombinator.com) articles. Being a constant HN reader, I built this tool for myself to fastly know how much time an article takes to read. I also got the opportunity to learn more about **web scraping**.

### S.A.M.

Feb 2019, [www.github.com/arabello/sam](https://www.github.com/arabello/sam)

Software Architecture Metrics is a **Scala** source code scraper aimed to retrieve module-level metrics helpful to software architects. Developing SAM helped me to deepen multi-paradigm languages with a special focus on **functional programming**. Also, I was able to concretely apply the concepts of the **Clean Architecture** from the homonymous book by Robert Martin.

### Kotlin Safety Library Loader

Apr 2018 - Jun 2018, [www.github.com/arabello/ksll](https://www.github.com/arabello/ksll)

Bachelor's degree thesis. **Android module** exposing APIs to dynamically download executable code with digital signature checking. The project will be used in an academic app for public transport mobility.

## Education

### University of Bologna

Master of Computer Engineering, 2018 - 2021, expected 110/110 (cum laude)

### University of Bologna

Bachelor of Computer Engineering, 2015 - 2018, 104/110

### I.I.S. Blaise Pascal

Upper-secondary diploma in I.T., 2010 - 2015, 100/100 (cum laude)

## Languages

Italian: Native speaker

English: Professional working proficiency

**IELTS Academic 7.0** (CEFR C1)

## Other

**AlmaCube** (2019-2018): I was involved in the Unibo Startup Incubator program.

**Study Jams** (2016): I lectured an Android programming course at my upper-secondary school.

**React Course** (Ago 2017): React/Redux online course (38 hours).

**Ferrari Case Study** (Oct 2019): I took part to the event "F-Factor: The Ferrari Case Study".

**GDG** (2016 - 2017): I joined the Google Developers Group community of my city as an organizer.