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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

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

Chrome extension showing read time preview of 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

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

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.