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## ABOUT ME

I am a senior software engineer with 7 years of professional experience and almost 20 years of coding experience. I started working in **cyber security** (defense, fraud detection and ransomware detection) and then moved to general **machine learning** (auto ML, orchestration of learning models, time series, big data).

I thrive in stress-free environments that promote learning, constructive criticism and we-mentality over everything else. My goal is constant growth: technical, professional and emotional.

## PROFESSIONAL EXPERIENCE

**Mind Foundry**, *Senior Software Engineer*

05/2018 – present | Oxford

Focus on applied machine learning, prioritizing enhancement and streamlining of the data science process for domain experts. Orchestration of ML models, python-java interfaces, protobuf contracts, platform APIs, React front-end, close interaction with science team.

**Cleafy**, *Software Engineer*

10/2015 – 04/2018 | Milano

MITB and fraud detection, fingerprinting, mobile security. High-volume data processing, research and development of novel features, proprietary unsupervised clustering, anomaly detection, non-relational eventually-consistent databases, platform APIs, event queues, jQuery front-end.

## EDUCATION

**University of Illinois**, *MSc Computer Science*

08/2013 – 04/2015 | Chicago

**Politecnico di Milano**, *MSc Information Engineering*

09/2012 – 05/2015 | Milano

**Politecnico di Milano**, *BSc Information Engineering*

09/2009 – 07/2012 | Milano

## PUBLICATIONS

**Heldroid: Fast and Efficient Linguistic-based**

**Ransomware detection**, 2015, *Tokyo, RAID*

978-3-319-26362-5 p.382-404

## SKILLS

**JavaScript / TypeScript**



*Node, typeorm, nestjs, react, mobx, react query...*

**Optimization**



*Algorithms, data structures, code review, ...*

**Java / JVM**



*Spring Boot, JUnit, Maven, lombok, ...*

**Python**



*Pylint, mypy, pytest, virtualenv, sklearn, ...*

**Contenerization**



*Docker, kubernetes, architecture as a service, ...*

**Agile methodologies**



*Atlassian tools, retrospectives, quick feedback, ...*

**Large data tools / techniques**



*Parquet, kafka, elastic, multi-threading, ...*

**Team process**



*Retrospective, mentoring, meeting optimization...*

**Process automation**



*CD/CI (BitBucket / GitLab), IntelliJ shared profiles...*

**Machine learning**



*Data preparation & wrangling, linear models, NLP, ...*

**Design and UX**



*Laws of ux, design thinking, usability and empathy*

## PHILOSOPHY

I am an engineer and a geek at heart. I seek elegance, cleverness and wit in everything: be it code, nature or society. I used to think any system could be properly understood by delving deep enough. I used to think *elegance and simplicity will solve every problem*. Nowadays, I still value that statement, but I realized any solution needs to start from *empathy*.