FRANCESCO PICCOLI

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EDUCATION

University of California, Berkeley, USA **August 2019 – May 2020**

Master of Engineering in Industrial Engineering and Operations Research – GPA: 3.90

- *Key Coursework:* Applied Data Science with venture applications, Application in Data Analysis, Data Management, Learning and Optimization, Digital Platform Strategy, R&D Technology management & Ethics, Communications for Engineering Leaders, Coaching for high-performance teams, MBA International Finance, MBA Investing (Haas Business School).
- *MEng Opportunity Grant* recipient, *2020 Leadership Contribution Award* (only recipient in the cohort).

Polytechnic University of Turin, Italy **September 2016 – July 2019**

BSc in Aerospace Engineering – GPA: 3.89 – Final evaluation: 110/110 cum laude (top 4%)

- ***Bachelor Thesis****: "Neural Networks for modelling and guidance of UAVs in urban environments*". Developed a Deep Reinforcement Learning algorithms to solve the path planning problem of an unmanned aerial vehicle.
- *Young Talents project:* selected as one of the top 5% students to participate in a 3-year program of excellence.
- *EU/Young Talents Program:* recipient of a competitive mobility grant to spend a semester at **UPM, Madrid** (1/2019-6/2019)

PROFESSIONAL EXPERIENCE

AnChain.AI **July 2020 – present**

Data Scientist Intern San Jose, CA

- Responsible for the ideation, technical development, and launch of a new product, constantly interacting with the CEO and COO of the company. Conducting customer interviews and managing the relations with new customers.
- Analysing and processing with Python and Elasticsearch millions of Blockchain transactions to build an intelligence platform providing data signals and trading strategies to crypto hedge funds.

RoBin **October 2019 – May 2020**

Founder *Berkeley*, CA

- Designing and building computer-vision algorithms and a robotic product to transform the way we think about recycling.
- Recruited and managed an international team of 8 people ranging from Software Engineers to MBAs.
- Incubated at Berkeley SkyDeck, finalist at the Hult Prize competition, NSF I-Corps participant.

Haas Impact Fund **January 2020 – May 2020**

Founding Venture Partner Berkeley, CA

- Led sourcing, diligence, and portfolio stewardship of early-stage social enterprises in the sustainable products sector.
- Pitched recommendations to the panel of partners for up to $50,000 equity investment from the Haas Impact Fund.

Ripple **September 2019 – May 2020**

Data Scientist - Team Lead, UC Berkeley MEng Capstone project San Francisco, CA

- Extracted and analysed large datasets with millions of Blockchain transactions using SQL and Google BigQuery.
- Built a database on AWS that updates daily with information gathered from several APIs and deployed a UI on Heroku.
- Gathered real-time data with the Ripple Data API and built an anomaly detection system that notifies the team on Slack.
- Managed an international team of 7 people, conducted the weekly meetings, and designed the direction of the project.

Volvo Cars **January 2020 – May 2020**

Deep Learning Researcher – Data-X Capstone project Berkeley, CA

- Collaborative research between Volvo Cars, UC Berkeley, and Chalmers University for pedestrian intention recognition
- Built an online, end-to-end system that analyzes information from videos acquired using vehicles' front-facing cameras and can interface with autonomous driving functionalities for smart collision avoidance.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

- **2020 UC Berkeley Leadership Contribution Award** *(May 2020):* Each year, Master of Engineering students nominate their peers and vote for the candidate who has contributed the most to the program in leadership. In 2020, I was recognized for that honor for the demonstrated leadership abilities across teams.
- **Ripple XPring Blockchain Interoperability Hackathon** *(Berkeley, October 2019):* Won "Best Enterprise" award for creating and pitching an application of Blockchain to prevent housing market fraud.
- **Data Analyst – WAW, Well-being At Work** *(Berkeley, October 2019- January 2020):* Built a machine learning model to predict the risk of burnout in employees and provide customized solutions to prevent it. Used the Google Cloud NLP API for sentiment analysis of Tweets. Selected for Berkeley StEP, an 8-week experiential program to build an MVP and a business model from an early-stage idea.

SKILLS & INTERESTS

Technical: Python, R, SQL, Matlab, AMPL, C, Fortran, QML, SolidWorks, LateX, Google Colab, GitHub, TensorFlow, Keras

Languages: *Italian* (native speaker), *English* (Toefl ibt 108), *Spanish* (fluent), *French* (Delf B2), *Latin* (basic), Ferrarese dialect (fluent)

***Interests*:** Soccer, swimming, skiing, reading, Italian cuisine