

Petru Potrimba

23 years old

Trying to find a good bias-variance tradeoff in my life.

EDUCATION

ETH Zurich, Zurich — *Master in Computer Science
- Data Science specialization*

SEPTEMBER 2019 - SEPTEMBER 2021

Bologna University, Cesena — *BS in Computer
Science and Engineering*

OCTOBER 2015 - OCTOBER 2018

Final grade: **109/110**.

SOME PERSONAL PROJECTS

Machine and Deep Learning — 2018 - *present*

I am studying, doing research and projects on Machine Learning and Deep Learning. I love to build ML algorithms from scratch and understand how they work. Check out my blog <https://petrupotrimba.altervista.org> to get a grasp of my experiments.

Linear Regression, Logistic Regression, SVMs, Neural Networks, Random Forest, Anomaly Detection, PCA, K-means, Recommender systems, OCR, large scale Machine Learning, Map reduce, bias / variance, regularization

math-assistant — 2018

Mobile application and Telegram Bot for analysis and recognition of handwritten mathematical operations.

Technologies used: OCR, Machine Learning, Python, OpenCV, Swift.

super-smarket — 2017

Decision support software which analyzes market's products and suggests you when is the right moment to put them in discount in order to maximize the market gain.

Technology used: Java.

SKILLS

Machine Learning, Deep Learning, Statistics, Visualization, Python, Numpy, Pandas, scikit-learn, Jupyter-Notebook, OpenCV, Octave/Matlab, SQL, Databases, Java.

LANGUAGES

English, Italian, Moldavian/Romanian.

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Personal blog: <https://petrupotrimba.altervista.org>

WORK EXPERIENCE

Imola Informatica, Italy — *Analyst and
Software Engineering*

OCTOBER 2018 - NOVEMBER 2018

Maintained and tested a distributed banking software which has been splitted in a microservices architecture starting from a monolith.

Bologna University, Italy — *Software
Engineering Intern*

OCTOBER 2017 - JANUARY 2018

Developed an RCP Eclipse application using Java with the aim of making the creation of simulations for the Alchemist Simulator easier. The Alchemist Simulator is an extensible "meta-simulator", inspired by stochastic chemistry and tailored to pervasive computing and distributed systems.

AWARDS AND ACHIEVEMENTS

Mentee at LeadTheFuture - LeadTheFuture

OCTOBER 2018 - PRESENT

Among the few Italian students selected to be mentees for LeadTheFuture, a leading mentorship non-profit organization for students in STEM, with acceptance rate below 20%. LeadTheFuture empowers top-performing students to achieve their goals and contribute to their communities by giving them one-on-one guidance from high-impact mentors coming from the world's leading STEM innovation hubs such as Silicon Valley and CERN.

Experiment - Lega Coop

APRIL 2013

My team won the Experiment Startup Competition taking the 2^o place. presenting a Smart Domotic House project assessed among 50+ projects of several schools of my city. The project has been presented in several companies in Italy and abroad.

IELTS - band 6.5

JANUARY 2019 - JANUARY 2021

