

Contact

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(LinkedIn)

Top Skills

Machine Learning

R

Python

Languages

French (Elementary)

English (Limited Working)

Romanian (Native or Bilingual)

Honors-Awards

Bronze Medal, MO-Ariel - Team
(7th Team Mathematical Olympiad),
BLITZ section

Participant, Google HashCode,
Online Qualification Round

Participant, MO-Ariel - Team (6th
Team Mathematical Olympiad),
BLITZ section, Stage I

Participant, MO-Ariel - Team (6th
Team Mathematical Olympiad),
BLITZ section, Stage II

First Prize, Regional Mathematical
Olympiad

Sebastian-Adrian Ciobanu

Student at Universitatea „Alexandru Ioan Cuza” din Iași
Romania

Experience

Amazon

Applied Science Intern

September 2022 - December 2022 (4 months)

Organization: Product Safety and Compliance (PSC Tech)

I constructed a baseline model that creates a 3D representation from multi-view data: grayscale and RGB images and point clouds. Two subproblems investigated are:

- linking the 3D points in the point clouds to the 2D image pixels.
- salient object detection: we used a model called "TRACER"; we fine-tuned it with our labeled dataset.

Technologies: 3D software (MeshLab), Python (PyTorch, Jupyter Notebook), AWS EC2 (deploy code from PyCharm directly to EC2), Sagemaker (Labeling job, Training job), S3

accesa.eu

Java Software Engineer Intern

July 2022 - September 2022 (3 months)

I worked on a team of 7 Java interns with 4 mentors using the Agile methodology. We created a REST API for a low-code/no-code platform for data science, which supported classification and regression pipelines (data source, transformations, predictions) for tabular data. The ML code was run in Python.

Technologies: Java, Spring, Databases (Spring Data, Liquibase), Git, Docker (compose), Google Cloud (BigQuery), Python, Jupyter Lab

Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi
Teaching Collaborator

October 2021 - May 2022 (8 months)

'Machine Learning', BSc, 3rd year, 1st term, four seminars/groups of students

'Numerical Calculus', BSc, 3rd year, 2nd term, two laboratories/groups of students

Amazon

Applied Science Intern

July 2021 - October 2021 (4 months)

Organization: Customer Behavior Analytics

I constructed a model that learns conditional distributions for regression problems.

I used a Mixture Density Network (MDN) model.

Technologies: Python (TensorFlow, PySpark), AWS EMR, Sagemaker, Zeppelin, S3

Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi
1 year 5 months

Teaching Collaborator

October 2020 - February 2021 (5 months)

'Machine Learning', BSc, 3rd year, 1st term, three seminars/groups of students

Research Assistant/Programming Analyst

February 2020 - February 2021 (1 year 1 month)

Teaching Collaborator

October 2019 - February 2020 (5 months)

'Machine Learning', BSc, 3rd year, 1st term, three seminars/groups of students

Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi
1 year 9 months

Research Assistant/System Engineer

November 2017 - June 2019 (1 year 8 months)

Teaching Collaborator

October 2018 - February 2019 (5 months)

'Machine Learning', BSc, 3rd year, 1st term, three seminars/groups of students

Teaching Collaborator

October 2017 - February 2018 (5 months)

'Machine Learning', BSc, 3rd year, 1st term, three seminars/groups of students

RomSoft

Programmer Intern

July 2016 - September 2016 (3 months)

Iasi County, Romania

I contributed to a project involving real estate data from USA.

I used the R programming language and applied some Machine Learning models.

The project was in collaboration with the Faculty of Computer Science within 'Alexandru Ioan Cuza University' of Iasi.

Education

'Alexandru Ioan Cuza' University of Iasi
Doctoral degree, Computer Science · (2019)

'Alexandru Ioan Cuza' University of Iasi
Master's degree, Advanced Studies in Computer Science (research-based) · (2017 - 2019)

'Alexandru Ioan Cuza' University of Iasi
Bachelor's degree, Computer Science · (2014 - 2017)

"Mihai Eminescu" National College, Botoşani
Baccalaureate Diploma, Mathematics and Computer Science · (2010 - 2014)