

# Alind Xhyra

PH.D. STUDENT AT USI AND CONSTRUCTOR INSTITUTE

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## Summary

Ph.D. Student at Università della Svizzera Italiana (USI) and Constructor Institute Schaffhausen. Currently working on modeling people's behavior in smart ecosystems for automatic test case generation. Person who loves Linux and MacOS systems and enjoys customizing the development environment. Interested in learning new technologies and tools and solving new challenging tasks.

## Education

### USI (Università della Svizzera Italiana)

Lugano, Switzerland

MASTER DEGREE IN INFORMATICS, SPECIALIZATION IN ARTIFICIAL INTELLIGENCE

Sep. 2021 - Oct. 2022

- Double Degree student, program limited up to 8 students a year.
- Working on Master thesis at IDSIA Intelligent Robotics Lab.
- Master Thesis about Active learning for Visual Anomaly Detection applied to mobile robots. <https://github.com/aXhyra/Master-Thesis>

### UNIMIB (Università degli Studi di Milano Bicocca)

Milan, Italy

MASTER DEGREE IN COMPUTER SCIENCE

Oct. 2020 - Oct. 2022

### UNIMIB (Università degli Studi di Milano Bicocca)

Milan, Italy

BACHELOR OF COMPUTER SCIENCE

Oct. 2017 - Jul. 2020

- Bachelor Thesis: "Automatic color target detection in digital images."

## Work Experience

### IDSIA (Istituto Dalle Molle di Studi sull'Intelligenza Artificiale), Intelligent Robotics Lab

Lugano, Switzerland

MASTER THESIS

01/2022 - 10/2022

- Development of Active Learning approaches for Visual Anomaly Detection applied to mobile robots.

### UNIMIB (Università degli Studi di Milano Bicocca)

Milan, Italy

INTERNSHIP

03/2020 - 06/2020

- Development of automated methods for MacBeth color checker detector in digital images.

## Main Projects

### Robomaster Surfer

Lugano, Switzerland

GROUP PROJECT

Controller for autonomous obstacle avoidance using front-camera feedback for Robomaster S1 moving in an endless simulated corridor.

[https://github.com/NicoArmas/robomaster\\_surfer](https://github.com/NicoArmas/robomaster_surfer)

### BERT Finetuning

Lugano, Switzerland

GROUP PROJECT

Fine-tuning DistilBERT model on TweetEval dataset for sentiment analysis task.

<https://github.com/aXhyra/BERT-finetuning>

### Mathematical-Problem-Solving-with-Transformers

Lugano, Switzerland

GROUP PROJECT

Implemented transformer model in PyTorch for solving mathematical problems.

<https://github.com/aXhyra/Mathematical-Problem-Solving-with-Transformers> (Private repo)

### Multi Task Robot Allocation simulation in warehouse

Milan, Italy

GROUP PROJECT

Developed simulation of warehouse with multiple robots delivering pods.

<https://github.com/pietrotrope/WarehouseSimulation>

### Anomaly detection in pictures of boxes of chocolates

Milan, Italy

GROUP PROJECT

Developed system for automatic Anomaly Detection of chocolate boxes for quality control.

<https://github.com/pietrotrope/Chocolate-quality-control>