

# Leonardo Emili

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## EDUCATION

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### Vienna University of Technology

*Erasmus+, Informatics*

Vienna, Austria

*Sep. 2021 – February 2022*

### Sapienza University of Rome

*Master of Science in Computer Science, GPA 30/30*

Rome, Italy

*Sep. 2020 – June 2022*

### Sapienza University of Rome

*Bachelor of Science in Computer Science, 110/110 cum laude*

Rome, Italy

*Sep. 2017 – June 2020*

### I.T.T. C. Colombo

*Secondary School Diploma, 100/100*

Rome, Italy

*Sep. 2012 – June 2017*

## EXPERIENCE

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### Research Assistant

*Sapienza University of Rome*

July 2020 – Present

*Rome, Italy*

Developed neural representations for named entities from Wikipedia with Prof. Roberto Navigli, funded by ERC Consolidator Grant, EU H2020 project number 726487.

### IoT Engineering Intern

*Sapienza University of Rome*

January 2020 – July 2020

*Rome, Italy*

Designed and evaluated the performance of protocols for IoT systems equipped with Wake-Up Radios. Worked in a team led by Prof. Chiara Petrioli.

### Honours Program Participant

*Sapienza University of Rome*

May 2019 – April 2020

*Rome, Italy*

Developed data mining tools to process text from the English Wikipedia corpus, implemented the system to automatically annotate named entities into Wikipedia pages.

## AWARDS

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### Honours Program

March 2019

The Honours Program aims to enhance the training of worthy students enrolled in a study programme and interested in activities concerning study and cultural integration.

## SELECTED PROJECTS

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### Aspect-Based Sentiment Analysis

Multitask learning approach using BERT contextualized embeddings and Conditional Random Field (CRF).

### Stock Price Forecasting

Distributed stock price forecasting system to predict S&P 500 stock prices.

### RESTaurant-reservation

Microservice-based restaurant reservation system, built using Docker Compose.

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, Dart, C, C++, Shell, JavaScript, TypeScript, SQL

**Frameworks:** PyTorch, PyTorch Lightning, PySpark, Tensorflow, Keras, Flutter, Vue.js, Flask

**Developer Tools:** Git, Docker, GCP, AWS, L<sup>A</sup>T<sub>E</sub>X

## SELECTED COURSES

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**Machine Learning** (30L/30), **Deep Learning** (30L/30), **Natural Language Processing** (30L/30)

**Big Data Computing** (30/30), **Distributed Systems** (30/30), **Cloud Computing** (30/30)

## LANGUAGES

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**Italian** (native), **English** (C1 level), **Spanish** (advanced), **German** (intermediate), **French** (intermediate)