



# FRANCESCO VINCI

Ph. D. Student

## PERSONAL INFORMATION

- 🎂 Born on 07/02/1998 (25 y.o.)
- 📍 Padova (PD), Italy
- ✉️ vincifrancesco101@gmail.com
- ✉️ francesco.vinci.1@phd.unipd.it
- ☎️ +39 3883446145
- 🚗 Driving Licence B

## LANGUAGES

- Italian: Native Language
- English: C1

## PROFESSIONAL SKILLS

- Mathematics
- Data Science
- Process Mining
- Machine Learning
- Deep Learning
- Computer Vision

## TECH SKILLS

- Python
- R
- Matlab
- Julia Language
- Tensorflow
- PyTorch
- Scikit-Learn
- PostgreSQL
- PgAdmin
- ProM Tools
- CPNTools
- Disco
- WoPeD
- LaTeX
- HTML5

## WORK EXPERIENCE

### Teaching Assistant – University of Padua

04/2023 – Current Padova (PD), Italy

Database Teaching Assistant in Computer Science Bachelor's degree.

### R&D Data Science Intern – Danieli Automation

02/2022 – 08/2022 Buttrio (UD), Italy

During the internship I developed an anomaly detection project in Computer Vision in which I used several state-of-the-art models including Autoencoder, Variational Autoencoder, Convolutional RNN, U-Net and Video Vision Transformer models.

### LIBRARY ASSISTANT – University of Padua

09/2019 – 12/2019 Padova (PD), Italy

I worked as Library Assistant at the Library of Statistical Sciences "Bernardo Colombo" of the University of Padova during the "200 ore" collaboration with the University of Padova.

I helped clients and students to find the materials they need, checked books borrowing, checked out the library materials and restocked the shelves.

I also worked at the ILL (Interlibrary Loan) office as assistant.

## EDUCATION AND TRAINING

### Ph. D. IN BRAIN MIND AND COMPUTER SCIENCE – University of Padua

01/10/2022 – Current Padova (PD), Italy

Curriculum: Computer Science for Societal Challenges and Innovation

Research project: Data-driven Optimization of Processes in Public

Administrations: When Human Perception meets Objectivity

Supervisor: prof. Massimiliano de Leoni

### MASTER'S DEGREE IN DATA SCIENCE (LM-91) – University of Padua

01/10/2020 – 21/09/2022 Padova (PD), Italy

- Fundamentals of Information Systems
- Machine Learning
- Stochastic Methods
- Statistical Learning
- Deep Learning
- Vision and Cognitive Services
- Optimization for Data Science

- Mathematical Models and Numerical Methods for Big Data
- Statistical Methods for High Dimensional Data
- Process Mining
- Human Data Analytics
- Business Economic and Financial Data
- Cognitive Behavioural and Social Data

Thesis: "Semi-supervised Deep Learning methods for Video Anomaly Detection applied to sticking identification during steelmaking continuous casting process"

Supervisor: Prof. Michele Rossi

Cosupervisor: Andrea Zamolo

### **BACHELOR'S DEGREE IN MATHEMATICS (L-35) – University of Padua**

01/10/2016 – 21/02/2020 Padova (PD), Italy

- Algebra 1
- Analisi Matematica 1
- Geometria 1
- Fisica 1
- Introduzione alla programmazione
- Probabilità e statistica
- Programmazione
- Algebra 2
- Analisi Matematica 2
- Geometria 2
- Ottimizzazione Discreta
- Analisi Numerica
- Analisi Reale
- Calcolo delle probabilità
- Finanza matematica
- Fisica 2
- Matematica per l'economia
- Metodi matematici
- Statistica matematica

Thesis: "Enlargement of filtrations in discrete time and applications to finance"

Supervisor: Prof. Claudio Fontana

### **SCIENTIFIC HIGH SCHOOL DIPLOMA – Liceo Scientifico Giuseppe Seguenza**

01/10/2016 – 21/02/2020 Messina (ME), Italy

## **HACKATHONS**

### **WORLD DATA LEAGUE 2021 – [www.worlddataleague.com](http://www.worlddataleague.com)**

03/04/2021 – 07/2021

Finalist.

### **YOUTH IN ACTION 2021 - [youthinactionforsdgs.ideatre60.it](http://youthinactionforsdgs.ideatre60.it)**

07/2021

Winner of the "Premio Promotori".

## **LINKEDIN PROFILE**



<https://www.linkedin.com/in/francesco-vinci-1850621a3/>