

# DAVIDE MENINI

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Date of birth 31/01/1996 ◊ Nationality Italian  
Roswiesenstrasse 173 ◊ Zürich, Switzerland



## EDUCATION

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### ETH Zürich, Switzerland – GPA: 5.4/6

09/2018 - 04/2021

*M.Sc in Information Technology and Electrical Engineering*

- Focus: 3D Computer Vision, Machine Learning
- Other: Computer Architectures, Data Science, Wireless Networks

### Politecnico di Milano, Italy – GPA: 110/110

09/2015 - 07/2018

*B.Sc in Electronics Engineering*

- Focus: Analog Circuit Design, Semiconductor Devices
- Scholarship for particularly deserving students during the 3rd year

## WORK EXPERIENCE

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### Swisscom AG, Switzerland

09/2021 - present

*IT Trainee Program*

- Developed Natural Language Understanding components for conversational AI.

### Institut für Integrierte Systeme (IIS) - ETH Zürich

10/2019 - 01/2020

*Teaching Assistant for Prof. Luca Benini*

- Supervised students with FPGA programming on Xilinx Vivado for the course “VLSI I: from Architectures to VLSI Circuits and FPGA”.

## SKILLS

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<b>Programming Languages</b>	Bash, C/C++, Matlab, Python, SQL, SystemVerilog
<b>DevOps Tools</b>	Git, Docker, Kubernetes, Prometheus, Grafana, Jenkins, Artifactory
<b>Other Software Tools</b>	Jira, Microsoft Office Suite, Overleaf, Postman, Locust
<b>Languages</b>	Italian (native), English (fluent), German (beginner)

## PUBLICATIONS

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### A Real-Time Online Learning Framework for Joint 3D Reconstruction and Semantic Segmentation of Indoor Scenes

Menini Davide, Suryansh Kumar, Martin Oswald, Erik Sandstrom, Cristian Sminchisescu, Luc Van Gool  
*IEEE, Robotics and Automation Letter (RA-L), 2022*

- Given noisy depth maps, a camera trajectory, and 2D semantic labels at train time, the proposed deep neural network based approach learns to fuse the depth over frames with suitable semantic labels in the scene space.

## EXTRA-CURRICULAR ACHIEVEMENTS

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<b>Athletics</b>	100m sprinter for 2 years (2012-2013), winning several regional races and achieving the 2nd place in a national race with the regional 4x100 relay team in 2013.
<b>Football</b>	Played at a competitive level for 14 years, winning the local championship several times.
<b>Music</b>	Attended on-stage official competitions of classic guitar for 4 years (2007-2011).
<b>Art</b>	Passion for cinema, manga and art, amateur illustrator in the free-time.