

Margarita GRINVALD

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PhD student in robotic perception with over ten years of coding experience

Education

ETH Zurich

2017 - 2021

PhD in Robotics, specialized in Computer Vision

Advised by Prof. Roland Siegwart.

First-author publication nominated for IROS 2019 Best Cognitive Robotics Paper Award:
"Volumetric instance-aware semantic mapping and 3D object discovery", RA-L 2019.

2014 - 2017

Master of Science in Robotics, Systems and Control

Thesis: "TSDF-based incremental global segmentation map". GPA: 5.65/6.00.

USI Università della Svizzera italiana

2011 - 2014

Bachelor of Science in Informatics

Graduated *summa cum laude*. One year exchange at ETH Zurich. GPA: 9.16/10.00.

Experience

2022 - present

Meta (previously Facebook), Zurich

As a computer vision engineer at the Meta Reality Labs, I explore novel methods for next-generation virtual, augmented, and mixed reality (VR/AR/MR) experiences.

Fall 2020

Facebook, Zurich

As a research intern at the Facebook Reality Labs, I explored novel concepts and methods for next-generation virtual, augmented, and mixed reality (VR/AR/MR) experiences.

Winter 2015

Bloomberg LP, London

As a software developer intern, I designed and implemented a scalable service to publish real-time trading order data for more than 30.000 clients over the Bloomberg Terminal.

Summer 2015

Bloomberg LP, Lugano

As a software developer intern, I wrapped the C++ library of a highly efficient financial data engine with a more intuitive and expressive Python interface.

Skills

Technical

I routinely program in C++ and Python and use tools such as ROS, Git and Jenkins. Previously, I wrote several lines of code in Java, JavaScript, and SQL.

Languages

Russian (native), Italian (native), English (fluent), German (beginner).

Others

Since 2019, I am co-organizer for the Zurich Computer Vision Meetup.
In 2017, I founded the Zurich Public Speaking Meetup (600+ members).