

# Margarita GRINVALD

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

## Education

ETH Zurich

2017 - present

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 - University of Lugano

2011 - 2014

Bachelor of Science in Informatics  
Graduated *summa cum laude*. One year exchange at ETH Zurich. GPA: 9.16/10.00.

## Experience

Fall 2020

Facebook, Zurich  
As a research intern at the Facebook Reality Labs, I explored novel concepts and methods for next-generation augmented reality (AR) and virtual reality (VR) 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 language               |
| Italian | Native language               |
| English | Full professional proficiency |
| German  | Limited working proficiency   |

Others

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