

Margarita GRINVALD

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PhD in computer vision, developing the next generation of mixed reality technology

Experience

2022 - present	Meta, 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, London As a software engineer 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, Lugano As a software engineer intern, I wrapped the C++ library of a highly efficient financial data engine with a more intuitive and expressive Python interface.

Education

	ETH Zurich
2017 - 2021	PhD in Robotics, specialized in Computer Vision 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 <i>summa cum laude</i> . One year exchange at ETH Zurich. GPA: 9.16/10.00.

Skills

Technical	I routinely program in C++ and Python and use tools such as Mercurial and Phabricator. In the past I wrote several lines of 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).