

Margarita GRINVALD

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

Experience

- 2023 - present Meta, Sunnyvale
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.
- 2022 - 2023 Meta, Zurich
As a computer vision engineer at the Meta Reality Labs, I explored 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.

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 *summa cum laude*. 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).