

Margarita GRINVALD

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

Experience

2022 - present	<p>Meta, Zurich</p> <p>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.</p>
Fall 2020	<p>Facebook, Zurich</p> <p>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.</p>
Winter 2015	<p>Bloomberg, London</p> <p>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.</p>
Summer 2015	<p>Bloomberg, Lugano</p> <p>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.</p>

Education

	<p>ETH Zurich</p>
2017 - 2021	<p>PhD in Robotics, specialized in Computer Vision</p> <p>First-author publication nominated for IROS 2019 Best Cognitive Robotics Paper Award: "Volumetric instance-aware semantic mapping and 3D object discovery", RA-L 2019.</p>
2014 - 2017	<p>Master of Science in Robotics, Systems and Control</p> <p>Thesis: "TSDF-based incremental global segmentation map". GPA: 5.65/6.00.</p> <p>USI Università della Svizzera italiana</p>
2011 - 2014	<p>Bachelor of Science in Informatics</p> <p>Graduated <i>summa cum laude</i>. One year exchange at ETH Zurich. GPA: 9.16/10.00.</p>

Skills

Technical	<p>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.</p>
Languages	<p>Russian (native), Italian (native), English (fluent), German (beginner).</p>
Others	<p>Since 2019, I am co-organizer for the Zurich Computer Vision Meetup. In 2017, I founded the Zurich Public Speaking Meetup (600+ members).</p>