

# Antea Hadviger

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## WORK EXPERIENCE

CURRENT, FROM MARCH 2018

University of Zagreb  
Faculty of Electrical Engineering and Computing  
**Research Associate and Teaching Assistant**

I am a junior researcher in computer vision with the **Laboratory for Autonomous Systems and Mobile Robotics**. The focus of my PhD is event-based vision with dynamic vision sensors for mobile robotics, specifically depth estimation, visual odometry and SLAM. I am also a teaching assistant for the graduate **Machine Learning** course.

MAY 2017 – AUG 2017

Microsoft  
**Software Engineer Intern**

I worked in the Search and Index (Tenant Wide Search) team based in Oslo, Norway and delivered a personal relevance feature developed in C#. I also participated in a hackathon and won an internal coding competition (FAST Code Cup).

JUL 2016 – SEP 2016

Facebook  
**Software Engineer Intern**

I worked in the Marketplace Tab team based in Seattle, WA on the early version of the product for mobile platforms, using React Native and Java.

AUG 2014 – SEP 2014

CROZ  
**Software Engineer Intern**

I worked in a team developing a social network analysis and sentiment acquisition tool, using Scala and Java.

OCT 2013 – JUN 2017 (PT)

Faculty of Electrical Engineering and Computing  
**Student Teaching Assistant**

Assisting in the courses Algorithms and Data Structures, Mathematics I/III, Electronics I, Machine Learning, Competitive Programming.

## EDUCATION

2018 – **Ph.D. student, Computer Vision**  
University of Zagreb

2018 **M.Sc, Computer Science**  
University of Zagreb

2015 **B.Sc, Computer Science**  
University of Zagreb

## AWARDS

2013 **Dean Award** (top 1% students)  
Faculty of Electrical Engineering and Computing

2011 – 2018 **Scholarship for Excellence**  
City of Zagreb

## SKILLS

C/C++, Python, Java, Git, Linux, ROS,  $\text{\LaTeX}$

## PUBLICATIONS

**Stereo Dense Depth Tracking Based on Optical Flow using Frames and Events**

A. Hadviger, I. Marković, I. Petrović  
Advanced Robotics Journal, Vol. 29, Issue 5

**Stereo Event Lifetime and Disparity Estimation for Dynamic Vision Sensors**

A. Hadviger, I. Marković, I. Petrović  
European Conference on Mobile Robots, 2019

**Computationally Efficient Dense Moving Object Detection Based on Reduced Space Disparity Estimation**

G. Popović, A. Hadviger, I. Marković, I. Petrović  
IFAC Symposium on Robot Control, 2018