# Antea Hadviger

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🖥 https://ahadviger.github.io

## 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 the field of 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. Candidate, Computer Vision** University of Zagreb |
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| 2018 | **M.Sc, Computer Science** University of Zagreb |
| 2015 | **B.Sc, Computer Science** University of Zagreb |

## AWARDS

| 2013 | **Dean Award** Faculty of Electrical Engineering and Computing |
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| 2011 – 2018 | **Scholarship for Excellence** City of Zagreb |

## SKILLS

C/C++, Python, Java, Git, Linux, ROS, LaTeX

## PUBLICATIONS

**Stereo Dense Depth Tracking Based on Optical Flow using Frames and Events**
A. Hadviger, I. Marković, I. Petrović
Advanced Robotics Journal – under review

**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