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, LaTeX

PUBLICATIONS

Stereo Dense Depth Tracking Based on Optical Flow using Frames and Events
A. Hadviger, I. Marković, I. Petrović
Advanced Robotics Journal – accepted for publication in 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