

PERSONAL INFORMATION

Ana Jevtić

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EDUCATION

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- 2015-present **PhD in Electrical Computer Engineering**
 Carnegie Mellon University, Pittsburgh, USA
- 2013-2015 **Master's degree in Electrical and Computer Engineering**
 Department of Signals and Systems, School of Electrical Engineering, University of Belgrade, Belgrade, Serbia
- Principal studies ▪ Adaptive System Control, Microcontroller Applications, Robotic Systems, Computer Vision
- GPA ▪ 9.4 (out of 10)
- Master's Thesis ▪ Vision Controlled Ball-on-plate Balancing System
- 2009 – 2013 **Bachelor of Science in Electrical and Computer Engineering**
 Department of Signals and Systems, School of Electrical Engineering, University of Belgrade, Belgrade, Serbia
- Principal studies ▪ Real Time Programming, Robotics & Automatization, Digital Image Processing, Pattern Recognition, Real Time Control, Control Systems, Stochastic Systems and Estimation, Sensors in Robotics, Nonlinear Systems, Basics of Biomedical Engineering
- GPA ▪ 8.67 (out of 10)
- Bachelor Thesis ▪ Image Restoration Using Lucy - Richardson Deconvolution Method

WORK EXPERIENCE

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- Oct 2014 – Jan 2015 **Internship**
- 011lab DOO Belgrade
- Project: Development of 9DOF IMU-based handwriting estimation module
- Developed an algorithm and user interface for 2D and 3D handwriting estimation based on accelerometer, gyroscope and magnetometer data from a sensor attached to a pen, using Mahony and Kalman filters. Technology used: IMU sensor connected to Arduino microcontroller; algorithm developed in Matlab and Matlab Simulink.
- July-Sep 2013 **Internship**
- Department of Biomedical Engineering, Graduate School of Information Science and Technology, Hokkaido University; Sapporo, Japan
- Mentor: Prof. Koichi Shimizu
- Research project: *Optical Transillumination Imaging System for Experimental Animals*
- Conducted multiple experiments on phantom models and experimental animals under supervision; duties included: preparing the experiments, data acquisition, processing and analyzing the acquired data, explaining results in form of written reports and presentations

ADDITIONAL INFORMATION

Projects

- EUROBOT International Students Robotics Contest (April 2015)
- Object tracking in video using an adaptive Kalman filter (July 2014)
- EUROBOT International Students Robotics Contest – as a part of the team ETF Versus, constructed and developed control algorithms for two robots that participated in this competition. Robots completed tasks such as: localization on the game table using a beacon system, shooting balls and firing nets at a target, picking up and storing objects, avoiding collisions with the opponent and static objects on the map, etc. (April 2014)
- Developed a .NET software application for data acquisition and control of the Hydraulic Universal Testing Machine used in several industrial laboratories in Serbia (January 2014)
- Co-developer of Virtual Laboratory for Hydraulic and Pneumatic Systems in collaboration with Robotics department of School of Electrical Engineering (May 2012)

Programming languages
/ Computer Skills

- MATLAB and MATLAB Simulink Library
- C++, C
- Visual Basic .NET
- National Instruments LabVIEW
- Microcontroller programming: mbed, Arduino, PIC, MSP
- PLC programming: SIEMENS, Allen Bradley