Marin Vlastelica Pogančić

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Birthdate / -place	12.11.1992 / Split, Croatia
Citizenship	Croatian
Homepage	http://marinvp.herokuapp.com/

Work Experience

04/2016 – 07/2016   **Data analytics intern**

IBM Research & Development, Stuttgart, Germany
- Data analytics in Apache Spark
- CitiBike data analytics and predictors

02/2015 – 04/2016   **Student research assistant**

Forschungszentrum Informatik, Karlsruhe, Germany
- Autonomous vehicles
- Map improvement through car sensor data (GPS, laser sensor data, camera)
- ROS framework
- Mainly C++ and Python

11/2015 – 03/2016   **Student developer**

Fraunhofer, Karlsruhe, Germany
- Knowledge modelling, Bayesian networks, knowledge discovery, improving the EM algorithm
- Building a GUI
- Mainly Java

06/2015 – 09/2015   **Student research assistant**

Computer Vision for Human – Computer Interaction Lab,
Karlsruhe, Germany

- Deep Learning using the caffee deep learning framework.
- Videoanalysis through machine learning techniques using the sklearn framework and liblinear. Building and training classifiers for different feature types: SIFT, improved dense trajectories, deep features, SVM.
- Published paper for the MediaEval challenge that shows the performance of the fused approach.

07/2009 – 09/2009   Sunseeker Germany Adria d.o.o., Split, Croatia

- Sailboat maintenance

Education

10/2014 – today   **Master Computer Science**

Karlsruhe Institute of Technology, Karlsruhe, Germany
Fields of study: Machine learning, robotics, cognitive systems, cloud computing.

10/2014 – today   **Master Computer Science**

Fakultet Elektrotehnike i Racunarstva, Zagreb, Croatia
Fields of study: Cognitive systems, cloud computing.

10/2011 – 07/2014   **Bachelor Computer Science**

Fakultet Elektrotehnike i Racunarstva, Zagreb, Croatia
Fields of study: Machine learning, algorithms, math, electrical engineering, physics.
Thesis subject: Evolving minimal addition chain exponentiation
Title: **Bachelor Sc. Computer Science**

09/2007 – 07/2011   **Highschool**

III. Mathematical Gymnasium Split, Croatia

Other**Projects**

Personal Homepage	Building personal homepage from bottom-up using the Rails framework, newly switched to Node.
Keccak Algorithm	Built an implementation of the Keccak hashing algorithm in Java with a GUI as part of a project on the Faculty of Electrical Engineering in Zagreb.
Robot Vision	Implemented face detection and recognition for an assistive robot at the Forschungszentrum Informatik, Karlsruhe.
Road Lane Detection	Implemented a real-time lane detection system for autonomous cars based on Deep Learning methods at the Forschungszentrum Informatik.
Personal Cloud	Maintaining a personal cloud server running on Ubuntu Server 14.04 LTE.
Compiler	Developed a compiler as part of a university project.

Sk**ills**

Programming Languages	Java C ++ / C Python Scala R Ruby JavaScript, HTML, CSS
Frameworks	Caffee Deep Learning Framework Sklearn Machine Learning Framework LibLinear SVM Framework Ubuntu Server / Linux Ruby on Rails Web Development Framework ROS (Robot Operating System) JOSM / OpenStreetMaps Apache Spark Node
Languages	Croatian - mother tongue English - C1 level German - C2 level Spanish - A2 level Chinese - A1 level
Driving licence	Class B

Interests

Engagement	Band leader, guitarist, stage builder, sound system configuration
Hobbys	Web development, server administration, travelling, guitar, piano, violin, capoeira, swimming, skiing, snowboarding