

Resume

Personal

Name: Renátó Besenczi
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Detailed education

2004-2007 University of Debrecen, Faculty of Agricultural Sciences,
nature protection engineer

2007-2009 University of Debrecen, Faculty of Agricultural Sciences,
land surveying and landscape informatics

2010-2013 University of Debrecen, Faculty of Informatics
engineering information technologist, BS.

2014-2016 University of Debrecen, Faculty of Informatics
computer science engineering, MS.

2014-2016 University of Debrecen, Faculty of Science and Technology
English-Hungarian Special Translator in Informatics

Language skills

English, C1, professional

Experience

2013-2015 Research team member in the project Future Internet Research, Services and Technology

2013-2014 Szime3D kft - FootballAvatar project (research and development)

2014-2016 Instructor (Department of Information Technology, University of Debrecen)
Courses:
High Level Programming Languages
Introduction to Informatics
IT Systems in Practice

2016- Assistant lecturer (Department of Information Technology, University of Debrecen)
Courses:
High Level Programming Languages
IT Systems in Practice
Technology of System Development

Open-minded, energetic, user experience orientated Smart City and Computer Vision specialist with 3+ years' experience in automatic medical image processing and 5+ years' experience in software development. Key qualifications include:

- Smart City applications and Crowd-sensing tools specialist
- Advanced knowledge of current image processing methods
- Experience in mobile and desktop developments
- Expert in programming languages like C, C++, Java
- Competent in several software development processes

Core competencies

- Smart City applications and Crowdsensing
- Image processing methods
- Parallel Programming, CUDA
- C, C++, Java,
- Linux/UNIX systems
- Embedded systems

Selected accomplishments

- Research team member on the investigation of the relation between Smart Cities and autonomous cars
- Research team member in the research of retinal image processing with mobile phones for glaucoma disease
- Assistant lecturer in programming languages at the University of Debrecen, Hungary
- Developer for R&D project for a successful decision support system in European soccer

Experience - Smart City and traffic analysis

Research team member | University of Debrecen | August 2014 – Present

- Research and development of a framework for the investigation of the relation between smart cities and autonomous cars
- Inspection of reinforcement based learning for traffic simulation units (e.g. simulation agents)
- Research of an in-vehicle personal assistant and chat robot
- Development of a complex embedded system using recent ICT technologies (LoRaWAN) for traffic measurement

Experience - Computer Vision Related Work

Research team member | University of Debrecen, Hungary | May 2014 - Present

- Implementing a computer aided image processing method for a decision support system made to identify eye diseases, such as glaucoma or diabetic retinopathy (cell phone based approach)

Lead developer | University of Debrecen, Hungary | February 2014 – Present

- Developer of an offline, distributed image processing system for mobile phones
- Developer of a distributed image processing system for retinal images for the screening of diabetic retinopathy

Relevant education

- University of Debrecen, Hungary | January 2016
MS in Engineering Information Technologist (specialization: reconfigurable and embedded systems MS and infocommunication networks BS)

Other Skills and Experience

- 15+ years' experience in photography as an independent free agent
- 3 years of experience as a graphics designer
- Hungarian-English special translator in informatics
- Boost, OpenCV, Git, SVN, cmake, maven, HTML, CSS, DocBook, Latex, CCNA (Basics, Routing and Switching), FPGA, Embedded Linux Systems, Android Development
- Experimenting with Google's TensorFlow