Vojislav Dukic

PhD candidate

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I'm interested in distributed and networked systems

Education

2016–present	**PhD**, *ETH*, Zurich, Switzerland. Distributed systems and networking; Advisor: Ankit Singla
2014–2015	**Master**, *FTN*, Novi Sad, Serbia, *avg. grade 10.00 out of 10*. Applied computer science, Information systems
2010–2014	**Bachelor**, *FTN*, Novi Sad, Serbia, *avg. grade 10.00 out of 10*. Computing and control engineering, Applied computer science

Publications

HotCloud '19	**Happiness index: Right-sizing the cloud's tenant-provider interface** Vojislav Dukic, Ankit Singla
NSDI '19	**Is advance knowledge of flow sizes a plausible assumption?** Vojislav Dukic, Sangeetha Abdu Jyothi, Bojan Karlas, Muhsen Owaida, Ce Zhang, Ankit Singla
SoCC '18 (Poster)	**Network Scheduling in the Dark** Vojislav Dukic, Sangeetha Abdu Jyothi, Bojan Karlas, Muhsen Owaida, Ce Zhang, Ankit Singla
PROFES '15 (master thesis)	**Information System Software Development with Support for Application Traceability** Vojislav Dukic, Ivan Lukovic, Matej Crepinsek, Tomaz Kosar, Marjan Mernik

Experience

2019	**PhD research intern**, *Microsoft Research*, Cambridge, UK. Designing a novel optical-circuit-switched network architecture for data center interconnect. *https://www.microsoft.com/en-us/research/lab/microsoft-research-cambridge/*
2016-present	**PhD candidate**, *ETH*, Zurich, Switzerland. Research in the domain of distributed and networked systems. *https://systems.ethz.ch/*
2015	**Data science intern**, *EPFL*, Lausanne, Switzerland. Leveraging machine learning for discovery and construction of new 2D materials. *http://theossrv1.epfl.ch/*

2014-2016	**Research and teaching assistant**, *FTN*, Novi Sad, Serbia.
	Research and teaching in the domain of information systems and domain-specific languages.
	http://www.ftn.uns.ac.rs/
2016	**System designer**, *Ava soft*, Novi Sad, Serbia.
	Full system design of a real-time safety platform.
	https://ava.info/
2014 - 2016	**Co-founder**, *Challengero*, Novi Sad, Serbia.
	Design and implementation of a web entertainment platform.
	unsuccessful startup
2015	**ERP designer**, *DOOB Innovation Studio*, Novi Sad, Serbia.
	Design and implementation of an ERP solution.
	http://www.doobinnovation.com/
2014	**Intern**, *Huawei*, Beijing-Shenzhen, China.
	Familiarize with Huawei's software backend solutions for mobile carriers.
	http://www.huawei.com/
2014	**Big data intern**, *Levi9*, Novi Sad, Serbia.
	Design and development of a system that identifies influencers on social media.
	https://www.levi9.com/
2014	**ERP designer**, *Rajak*, Novi Sad, Serbia.
	Design and implementation of a web based information system.
	http://www.rajak.rs/
2012	**Compiler developer**, *RT-RK Institute for Computer Base Systems*, Novi Sad, Serbia.
	Implementation of architecture-dependent optimizations in a C compiler for the Coyote DSP architecture.
	http://www.rt-rk.com/

Teaching

ETH Zurich	master: Advanced computer networks, Future Internet
	bachelor: Linear algebra, Computer networks
FTN	master: Software-aided business process modeling
Novi Sad	bachelor: Object oriented programming, Compilers, Programming languages and data structures, Computer architecture, Databases

Languages

Englisch	Fluency in reading and writing
German	Basic communication - *"Göthe Institut" B2 Prüfung*
Serbian	Native speaker

Scholarships and awards

2016	**Student of the year**, *FTN*, Novi Sad, Serbia.
	http://www.ftn.uns.ac.rs/
2014 2015	**Dositeja**, *Ministry of youth and sports*, Belgrade, Serbia.
	A scholarship for the best students of Serbia.
	http://www.mos.gov.rs/dositeja/

2011 2012 **Faculty Excellence Award**, *FTN*, Novi Sad, Serbia.
2013 2014 *http://www.ftn.uns.ac.rs/*

2011 2012 **University Excellence Award**, *University of Novi Sad*, Novi Sad, Serbia.
2013 2014 *http://www.uns.ac.rs/*

2014 **Hemofarm Foundation Scholarship**, *Hemofarm Foundation*, Vrsac, Serbia.
http://www.uns.ac.rs/

2013 **University Scholarship**, *University of Novi Sad*, Novi Sad, Serbia.
http://www.uns.ac.rs/

2006-2015 **Privrednik Scholarship**, *Privrednik*, Novi Sad, Serbia.
http://www.fondprivrednik.org.rs/