Dragana Milovančević

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Education

2019–present	PhD Student, School of Computer and Communication Sciences, EPFL
2017–2019	Master's degree in Software Engineering, School of EE, University of Belgrade (GPA 10.0/10.0)
2013–2017	Bachelor's degree in Software Engineering, School of EE, University of Belgrade (GPA 10.0/10.0)

Experience

2019–present	Doctoral Assistant, Lab for Automated Reasoning and Analysis (LARA), EPFL
	○ Working under the supervision of Prof. Viktor Kuncak
	○ Interests: Formal Verification, Automated Grading
2023–2024	Academic Collaborator, Birkbeck, University of London (London, 6 months)
	○ Termination checking for sound equivalence proofs of real-world programs, with Dr Carsten Fuhs
2017–2019	Teaching Assistant, University of Belgrade (Belgrade, 2 years)
	○ Computer Graphics and Virtual Reality Laboratory
2018	Summer@EPFL Intern, LARA, EPFL (Lausanne, 3 months)
	○ Project: Generating inductive proofs of function equivalence
2017	Summer@EPFL Intern, LARA, EPFL (Lausanne, 3 months)
	○ Project: Stainless verified solutions to Functional Programming Principles in Scala course
2016	Software Developer Intern, Teletrader DOO (Belgrade, 2 months)
2014–2017	Student Assistant, University of Belgrade (Belgrade, 3 years)

Teaching

Doctoral Assistant, EPFL	Functional Programming: Fall 2022, Fall 2021 (head TA), Fall 2020
	Parallelism and Concurrency: Spring 2022 (head TA), Spring 2021
	Practice of Object-Oriented Programming: Spring 2020
Teaching Assistant, University of Belgrade	Functional Programming: Spring 2019 (instructor and head TA)
	Computer Graphics: Spring 2019 (head TA), Spring 2018 (head TA)
	Intelligent Systems: Fall 2018, Fall 2017
	Computer Systems Performance: Spring 2018
	Object-Oriented Programming 1: Fall 2017
	Algorithms and Data Structures 1/2: Spring 2019, Fall 2018, Spring 2018
	Programming 1/2: Spring 2019, Fall 2018, Spring 2018, Fall 2017

Grants and Scholarships

2023	EPFL Doc.Mobility Grant to carry out a research stay abroad: *Termination Checking for Sound Equivalence Proofs of Real-World Programs* (CHF 14'000)
2023	EuroProofNet Short Term Scientific Mission Grant (STSM): *Termination Checking of Real-World Programs Using Term Rewriting Systems* (EUR 1'450)
2023	EuroProofNet Travel Grant for the Women in EuroProofNet Workshop
2022	EPFL Digital Resources for Instruction and Learning Grant (DRIL), co-PI with Viktor Kuncak: *Proving and Disproving Equivalence of Functional Programming Assignments* (CHF 44'000)
2022	FLoC/CAV'22 Travel Grant for the Verification Mentoring Workshop
2019	EPFL EDIC Fellowship
2019	POPL'19, PLDI'19 Travel Grants for the Programming Languages Mentoring Workshop

2018, 2019	European HPC Summit Week Travel Grant for Workshops on Parallel Computing
2017, 2018	Dositeja Scholarship for Young Talents the Republic of Serbia
2017	Studenica Foundation Scholarship
2017	Mihailo Misko Jeremic Foundation Scholarship
2016	Serbian National Scholarship for exceptionally gifted students
2015	Evro za Znanje Foundation Scholarship

Awards

2018, 2019	Kontext Scholarship for a French language course
2017	Kasikovic Foundation Award
2014–2017	Best Student Award, Department of Software Engineering, awarded for each academic year
2012, 2014	Dositeja Award, Fund for Young Talents of the Republic of Serbia
2013	Best Student Award, High School Sveti Sava, Pozega
2013	Vuk Karadzic Award
2010–2013	High School National Competition Awards (Mathematics, Serbian Language)

Publications

PLDI 2023	*D. Milovancevic* and V. Kuncak. "Proving and Disproving Equivalence of Functional Programming Assignments". In *ACM Conf. on Programming Language Design and Implementation.* (PLDI'23)
CAV 2023	S. Guilloud, M. Bucev, *D. Milovancevic* and V. Kuncak. "Formula Normalizations in Verification". In *Computer Aided Verification.* (CAV'23)
WEPN 2023	*D. Milovancevic*, "Towards Practical and Rigorous Automated Grading in Functional Programming Courses". In *Women in EuroProofNet.* (WEPN'23)
AITP 2023	S. Gambhir, S. Guilloud, *D. Milovancevic*, P. Rümmer and V. Kuncak. "LISA Tool Integration and Education Plans". In *Artificial Intelligence and Theorem Proving.* (AITP'23)

Talks

Jul 2023	*Towards Practical and Rigorous Automated Grading in Functional Programming Courses.* At WEPN'23, Białystok, Poland
2022-2023	*Proving and Disproving Equivalence of Functional Programming Assignments.* At Fun in the REPL Seminar, Bristol, UK (Nov 2023); TU Delft, Netherlands (Oct 2023); TAROT Summer School, King's College London, UK (Jul 2023); PLDI'23, Orlando, USA (Jun 2023); Imperial College London, UK (Feb 2023); Yale University, USA (Jan 2023); Aarhus University, Denmark (May 2022)
Oct 2022	*Autograder for Functional Programming and Beyond.* At ScalaCon, virtual conference

Seminars, Summer & Winter Schools

Oct 2023	F+Cube Week (Future Female Faculty), TU Delft, Netherlands
Jul 2023	TAROT Summer School on Software Testing, Verification & Validation, King's College London, UK
Mar 2023	EuroProofNet Short Term Scientific Mission (STSM) at Birkbeck, University of London, UK
Jun 2022	Intensive Writing Course: Academic Writing for Doctoral Students, EPFL Language Center
2019–2021	Intensive French Course: A2 (Jul 2019), A2/B1 (Feb 2020), B1 (Feb 2021), EPFL Language Center
Dec 2018	Google Compiler and Programming Language Summit, Google Munich, Germany

Service

Volunteer:	POPL 2023, FLoC/CAV 2022
Reviewer:	TACAS 2022