

## 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 Visiting Doctoral Student, 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 EuroProofNet Travel Grant for the Women in EuroProofNet Workshop
- 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)
- 2022 EPFL Digital Resources for Instruction and Learning Grant (DRIL): *Proving and Disproving Equivalence of Functional Programming Assignments* (CHF 44'000)
- 2022 FLoC'22 Travel Grant for the Mentoring Workshop
- 2019 EPFL EDIC Fellowship
- 2019 PLDI'19 Travel Grant for the Programming Languages Mentoring Workshop

- 2019 POPL'19 Travel Grant 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

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## 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)

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## Publications

- PLDI 2023 *D. Milovancevic and V. Kuncak. Proving and Disproving Equivalence of Functional Programming Assignments. In ACM SIGPLAN 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)*

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## 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 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*

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## Seminars, Summer & Winter Schools

- 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*

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## Service

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

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## Personal

- Nationality: Serbian
- Birthdate: October 2, 1994
- Languages: Serbian (mother tongue), English (C2), French (B2)