

Education

MSc Computer Science , <i>EPFL (École polytechnique fédérale de Lausanne)</i>	2017-present
BSc Computer Science , <i>School of Computing, Union University</i> Four year long undergraduate studies with Computer Science major. GPA 8.77/10.00.	2013-2017
High School Degree , <i>First Kragujevac Gymnasium</i> Specialized class for gifted mathematicians.	2009-2013

Work Experience

Teaching Assistant , <i>Petnica Science Center</i> Giving lectures and mentoring projects involving programming and robotics.	2014-present
Teaching Assistant , <i>School of Computing, Union University</i> Lecturing Introduction to Programming, Object-oriented Programming, Algorithms and Data Structures, Design and Analysis of Algorithms.	2015-2017
Software Engineering Intern , <i>Twitter</i> Part of backend team in Vine (short-form video sharing service).	summer 2016.
Software Engineering Intern , <i>Facebook</i> Automating the conversion between Buck and Gradle build systems for Android.	summer 2015.
Software Engineering Intern , <i>Microsoft</i> Machine learning for detecting text orientation, OCR team.	summer 2014.
Software Engineering Intern , <i>ShopWaze</i> Python scripts for infrastructure testing and data analysis.	winter 2013.

Research Experience

Quasitoric manifolds and small covers over neighborly polytopes , arXiv	2016
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Projects

Distributed chaos game , <i>School of Computing</i> Implementing complex distributed network of nodes generating points for chaos game.	June 2017
Speech recognition , <i>School of Computing</i> Python implementation of dynamic time warping algorithm used to compare linear predictive coding coefficients extracted from speech.	March 2016
Real-time filesystem statistics for Minix OS , <i>School of Computing</i> Modifying the kernel of Minix operating system in order to log various statistics related to its filesystem.	June 2015
Porting nginx web server to Minix OS , <i>School of Computing</i> Modifying source of nginx, open sourced web server, in order to make it run on Minix operating system.	January 2015
Autopilot for boat , <i>Petnica Science Center</i> Implementing various localization and navigational algorithms on a microcontroller connected to hardware of modified boat toy.	summer 2012 & 2013
Musical instrument recognition , <i>Petnica Science Center</i> Sound signal processing, feature extraction and neural network training implemented in MATLAB.	summer 2010

Extracurricular Activities

Competitive programming

2009-present

Member of Serbian competitive programming committee.

Competitive programming coach at various programming camps.

Contestant at ACM South Eastern European Regional Contest (2013, 2014, 2015, 2016).

Contestant at Microsoft BubbleCup Finals (2012, 2013, 2014).

Contestant at Balkan Olympiad in Informatics (2012).

Petnica Science Center

2010-2013

Attended several courses in applied physics and electronics.

Medals from various national competitions in Mathematics and Physics

2007-2013

Playing violin

2002-present