Lazar Milenković

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EDUCATION		
Tel Aviv University, PhD Computer Science		2020-present
EPFL, École polytechnique fédérale de Lausanne, MSc Computer Science		2017-2019
School of Computing, Belgrade, BSc Computer Science		2013-2017

RESEARCH		
Approximation Algorithms for the Bottleneck Asymmetric Traveling Salesman Problem, master's thesis advised by **Ola Svensson**		Spring 2019
Devised a novel $O(\log n)$-factor approximation algorithm.		
Implementation of block sparse Fourier transform, advised by **Michael Kapralov**		Summer 2018
Implemented the STOC 2017 Sparse Fourier Transform algorithm for the block-sparse model.		
A study of seeding algorithms for k-means problem, advised by **Ola Svensson**		Spring 2018
Studied clustering algorithms and devised a new seeding algorithm for k-means problem.		
Surprising Examples of Manifolds in Toric Topology! [arXiv:1704.05932]		2017
Joint work with Đorđe Baralić.		

TEACHING		
Tel Aviv University		
Introduction to C Programming - **lecturer**		Spring 2020
EPFL		
CS-250 Algorithms		Fall 2018
Petnica Science Center		
Lecturing and mentored projects in programming, scientific computing and robotics.		2015-present
School of Computing		
Design and Analysis of Algorithms		Spring 2017
Algorithms and Data Structures		Fall 2015, Fall 2016
Object-oriented Programming		Spring 2016
Introduction to Programming		Fall 2015

WORK		
Loop Foundation, Software Engineering Intern		Summer 2018
Implemented PyGame library for Skulpt, a Python web interpreter.		
Twitter, Software Engineering Intern		Summer 2016
Member of the backend team of Vine, a video sharing service.		
Facebook, Software Engineering Intern		Summer 2015
Contributed to the buck build system.		
Microsoft, Software Engineering Intern		Summer 2014
Improved the speed of the optical character recognition engine while preserving the accuracy.		
ShopWaze, Software Engineering Intern		Winter 2013
Data analysis and site reliability.		

AWARDS		
EPFL Teaching Assistant Award		Winter 2018
For introducing the online programming problemsets to the Algorithms course.		
Scholarship from the Government of Serbia for the students abroad		2017, 2018
Granted to the most successful Serbian students abroad.		
Award for distinguished contributions, School of Computing		2015, 2016
For the excellence in teaching and representing the university at programming competitions.		
Full scholarship from School of Computing		May 2013
For the results achieved at the competitions in programming, mathematics and physics.		
7 times winner of Dositeja, an award from the Government of Serbia		2007-2013
For the results achieved at the competitions in programming, mathematics and physics.		

PROJECTS		
Distributed chaos game		Spring 2017
Implemented the self-organized distributed system that simulates the Chaos game.		
Minix OS port of nginx		Fall 2014
Ported nginx web server to Minix OS.		
Self-driving boat		Summer 2012 & 2013
Implemented the localization and navigation algorithms on a model of a boat.		

OTHER		
Member of Serbian competitive programming committee		2015-present
EPFL Helvetic Coding Contest problem setter		Spring 2019
Third place at the IEEEXtreme wolrdwide contest (EPFL team)		October 2018
Best EPFL team at Helvetic Coding Challenge		March 2018
Second place at EPFL's Santa's Algorithmic Challenge		December 2017
ACM ICPC SWERC, in the first team of EPFL		2017
ACM ICPC SEERC, in the first team of School of Computing		2013, 2014, 2015, 2016
Microsoft BubbleCup finalist		2012, 2013, 2014
Balkan Olympiad in Informatics		2012
Languages: Serbian - native, English - C2, French - B1		