

Gramoz K. Goranci

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Personal Information

Nationality: Kosovar
Date of Birth: June 27, 1990
Place of Birth: Gjakovë
Gender: male

Research Interests

Algorithm Theory: Dynamic Graph Algorithms, Metric Embeddings, Combinatorial Optimization

Education

High School Diploma: Mathematics-Informatics (Sep 2005 - Sep 2008)

Gymnasium "Sami Frashëri", Prishtina.

BSc. Mathematics, direction: Computer Science (Oct 2008 - Oct 2011)

University of Prishtina, Faculty of Mathematical and Natural Sciences, Prishtina

Bachelor's Thesis: Topology of Function Spaces

Supervisor: Prof. Dr. Qamil Haxhibeqiri

MSc. Informatics (Oct 2012 - Dec 2014)

Technische Universität München, Fakultät für Informatik, München

Major in Algorithms with Research-Oriented Specialization

Master's Thesis: Vertex Sparsification in Undirected Networks

Supervisor: Prof. Dr. Harald Räcke

Dr. techn. Informatics (Feb 2015 - present)

Universität Wien, Fakultät für Informatik, Wien

Forschungsgruppe Theory and Applications of Algorithms

Supervisor: Prof. Dr. Monika Henzinger

Work and Research Experience

- Project Manager and Developer,** (Apr 2011 - Aug 2011)
University of Prishtina
 "Find someone like you" Social Network
<https://sites.google.com/site/softashqiptare/kodet/php-mysql>
- Developer,** (Nov 2011 - Jan 2012)
National Commercial Bank (BKT), Prishtina
 Developed a Management System to handle Treasury Products such as Money Market Deposits, Cash to FX Deals, Treasury Bills etc. (C#, MSQL, and DevExpress Tools)
- Treasury Specialist,** (Nov 2011 - Apr 2012)
National Commercial Bank (BKT), Prishtina
- HiWi and Interdisciplinary Project with minor in Mathematics,** (Nov 2012 - Apr 2014)
Prof. Dr. Ernst W. Mayr, Chair of Efficient Algorithms (XIV), TU München
 Title: Experimental Study on the Capacitated Vehicle Routing Problem using Branch-and-Cut
- Research Student,** (Sep 2013 - Apr 2014)
Prof. Dr. Harald Räcke, Chair of Efficient Algorithms (XIV), TU München
 Title: Towards New Cost Measures for Oblivious Routing
- Doctoral Researcher,** (Feb 2015 - present)
Universität Wien, Fakultät für Informatik, Forschungsgruppe TAA

Publications

1. Gramoz Goranci, Monika Henzinger, and Mikkel Thorup. Incremental Exact Min-Cut in Polylogarithmic Amortized Update Time. In *Proceedings of the 24th Annual European Symposium on Algorithms (ESA)*, pages 46:1 - 46:17, 2016.
2. Yun Kuen Cheung, Gramoz Goranci, and Monika Henzinger. Graph Minors for Preserving Terminal Distance Approximately – Lower and Upper Bounds. In *Proceedings of the 43rd International Colloquium on Automata, Languages, and Programming (ICALP)*, pages 131:1 - 131:14, 2016.
3. Gramoz Goranci, and Harald Räcke. Vertex Sparsification in Trees. To appear in *Proceedings of 14th Workshop on Approximation and Online Algorithms (WAOA)*, 2016.

Teaching

Teaching Assistant at the University of Vienna.

"Theoretical Computer Science" (Summer 2016)

"Repetitorium Mathematische Grundlagen der Informatik 1" (Winter 2016/2017)

Summer Schools

15th Max Planck Advanced Course on the Foundations of Computer Science (ADFOCS2014), Saarbrücken, Germany, Aug 11 - 15, 2014

Summer School on Combinatorial Optimization, Hausdorff Research Institute for Mathematics, Bonn, Germany, Sep 21 - 25, 2015

17th Max Planck Advanced Course on the Foundations of Computer Science (ADFOCS2016), Saarbrücken, Germany, Aug 29 - Sep 2, 2016

Awards & Scholarships

Distinguished Student at the Faculty of Mathematical and Natural Sciences, University of Prishtina, Feb 2011 (1st ranked among all departments of the faculty)

University of Prishtina Annual Scholarship 2010, 2011

DAAD Scholarship for Research Stay in Germany, 2012-2014 (funding for master's degree)

ADFOCS Travel Grants for attending ADFOCS 2014, 2016

Travel Grant for attending Summer School on Combinatorial Optimization, HIM Bonn, 2015

Miscellaneous

Languages

Albanian: Native

English: Fluent

German: Independent User

Skills

Programming: Java, C#, ASP.NET, PHP

Tools and Applications: HTML, XML, CSS, MySQL, MS SQL, Latex (Beamer, TikZ), Matlab, Adobe Illustrator & InDesign.

Extracurricular activities

Pursued piano lessons for 6 years at Kosovo's National Music School

Performed on piano in many primary and secondary school concerts

Accordianist at Zig Zag Orchestra Band for two years