

# Adam Zsolt Wagner

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<b>PROFESSIONAL EXPERIENCE</b>	<i>WORCESTER POLYTECHNIC INSTITUTE</i> Assistant professor, mathematics (tenure track)	2022 - present
	<i>GOOGLE DEEPMIND</i> Mathematical consultant	2022 - present
	<i>TEL AVIV UNIVERSITY</i> Postdoc, advisors: Prof. Asaf Shapira and Prof. Wojciech Samotij	2020 - 2022
	<i>ETH ZÜRICH</i> Postdoc, advisor: Prof. Benny Sudakov	2018 - 2020
<b>EDUCATION</b>	<i>UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN</i> PhD, advisor: Prof. József Balogh Thesis topic: combinatorics, graph theory	2014 - 2018
	<i>UNIVERSITY OF CAMBRIDGE, PETERHOUSE</i> Master of Mathematics Final exam result: High Distinction	2013 - 2014
	<i>UNIVERSITY OF CAMBRIDGE, PETERHOUSE</i> B.A. (Hons.) in Mathematics	2010 - 2013
<b>INVITED SEMINAR TALKS</b>	University of Waterloo: 2022 Heidelberg University: 2022 DeepMind: 2022 Eindhoven University of Technology: 2022 University of Sydney: 2022 Freie Universität Berlin: 2022 Worcester Polytechnic Institute: 2022 Harvard University: 2021 University of California, San Diego: 2021 Georgia Institute of Technology: 2021 Rényi Institute: 2021 University of South Carolina: 2021 Jagiellonian University: 2021 Tel Aviv University: 2020 IBS Korea: 2020, 2021 University of Amsterdam: 2020 University of Warwick: 2019 ETH Zürich: 2018, 2019 University of Oxford: 2017 University of Cambridge: 2017 London School of Economics: 2017 Goethe University Frankfurt: 2017 Freie Universität Berlin: 2017 UIUC: 2014, 2015, 2016, 2017, 2019, 2020, 2021 Western Michigan University: 2016 University of Birmingham: 2016 Illinois State University: 2016 Iowa State University: 2016	

<b>CONFERENCE TALKS</b>	<ul style="list-style-type: none"> <li>• <i>Constructions in combinatorics via neural networks</i> 2021 Young Researchers in Extremal and Probabilistic Combinatorics, online</li> <li>• <i>Completion and deficiency problems</i> 2019 BIRS Workshop on Probabilistic and Extremal Combinatorics, Banff</li> <li>• <i>The largest projective cube-free subsets of <math>\mathbb{Z}_2^n</math></i> 2019 Random Structures and Algorithms, Zürich</li> <li>• <i>The largest projective cube-free subsets of <math>\mathbb{Z}_2^n</math></i> 2018 Additive Combinatorics Workshop, Linz</li> <li>• <i>Families with few chains</i> 2017 Random Structures and Algorithms, Gniezno</li> <li>• <i>Applications of the Container Method</i> 2015 Random Structures and Algorithms, Pittsburgh</li> <li>• <i>Cops and robbers on diameter two graphs</i> 2015 Connections in Discrete Mathematics, Vancouver</li> </ul>
<b>PROFESSIONAL ACTIVITIES</b>	<ul style="list-style-type: none"> <li>• Referee for journals: International Mathematics Research Notices; Combinatorica; Combinatorics, Probability and Computing; Random Structures and Algorithms; European Journal of Combinatorics; SIAM Journal on Discrete Mathematics; Electronic Journal of Combinatorics; Advances in Combinatorics.</li> <li>• Participated in the organization of Random Structures and Algorithms conference in Zürich 2019 and Bennyfest, a one day conference celebrating Benny Sudakov's 50th birthday.</li> </ul>
<b>AWARDS AND ACHIEVEMENTS</b>	<ul style="list-style-type: none"> <li>• William Cavendish Scholar in Mathematics 2013</li> <li>• Charles Clemmow / Harry Benton Talbot Prize for Mathematics 2013</li> <li>• Senior Scholar of Peterhouse 2011</li> </ul>
<b>TEACHING EXPERIENCE</b>	<ul style="list-style-type: none"> <li>• <i>Course Organizer, Graph Theory (ETH Zürich)</i> 2020</li> <li>• <i>Teaching Assistant, Algebraic Methods in Combinatorics (ETH Zürich)</i> 2019</li> <li>• <i>Teaching Assistant, Graph Theory (ETH Zürich)</i> 2019</li> <li>• <i>Teaching Assistant, Lineare Algebra I (ETH Zürich, in German)</i> 2018</li> <li>• <i>Grader, Linear Algebra I (UIUC)</i> 2018</li> <li>• <i>Supervisor, Part II Graph Theory (University of Cambridge)</i> 2017</li> <li>• <i>Teaching Assistant, Calculus I (UIUC)</i> 2017 Made the list of teachers ranked as excellent by their students.</li> <li>• <i>Grader, Probabilistic Methods in Combinatorics (UIUC)</i> 2016</li> <li>• <i>Teaching Assistant, Calculus I (UIUC)</i> 2015 Made the list of teachers ranked as excellent by their students.</li> <li>• <i>Grader, Combinatorics (UIUC)</i> 2015, 2017</li> </ul>
<b>STUDENTS SUPERVISED</b>	<ul style="list-style-type: none"> <li>• Wang Zeyu (ETH Zürich, BSc) 2019 Thesis topic: extremal and probabilistic methods in graph theory</li> </ul>
<b>LANGUAGE SKILLS</b>	<p>Hungarian: Native  German: Native  English: Fluent  French: Intermediate</p>

<b>INTERNSHIPS</b>	<i>Genomics Research</i> at Wellcome Trust Sanger Institute, Cambridge, UK	2013
	<i>Software Engineer Internship</i> at Metaswitch Networks, Coventry, UK	2012
	<i>Actuary Internship</i> at Aegon, Budapest, HU	2011

**H-index:** 8

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