

# Curriculum Vitae

## Personal Information

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Name: Matthias Greger

Address: Department of Computer Science  
School of Computation, Information and Technology  
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## Education

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Since 03/2021 **Graduate student and research assistant (TUM)**  
Chair of Decision Sciences & Systems  
Supervisor: Prof. Dr. Felix Brandt

10/2018 – 11/2020 **Master of Science, Mathematics (TUM)**  
Major: Mathematical Finance & Actuarial Science  
Thesis Title: “Discrete Donor Coordination”

10/2015 – 09/2018 **Bachelor of Science, Mathematics (TUM)**  
Major: Mathematics  
Thesis Title: “Generalization Bounds from Test and Validation Error”

## Teaching

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2021, 2023– **Course “Algorithmic Game Theory”**  
Role: teaching assistant

2021– **Seminar “Markets, Algorithms, Incentives, and Networks”**  
Role: organizer

2021– **Student supervision**  
6 master’s theses, 2 bachelor’s theses, 1 guided research project

## Refereeing

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Journals ACM Transactions on Economics and Computation, Artificial Intelligence, Social Choice and Welfare

Conferences AAAI, AAMAS, ACM EC, COMSOC, IJCAI, SAGT, WINE, Workshop on New Directions in Social Choice at EC24

## Awards/Scholarships

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WINE 2021 Best Student Paper Award

12/2015 – 11/2020 Scholarship from the “Studienstiftung des deutschen Volkes”

## Selected Talks

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- 12/2021      **“Funding Public Projects: A Case for the Nash Product Rule”**  
Conference Talk at *WINE 2021*
- 07/2023      **“Balanced Donor Coordination”**  
Conference Talk at *EC 2023*
- 02/2024      **“Dynamics for Aggregating Cardinal Preferences”**  
Invited Talk at *The Second Vienna-Graz Workshop on (Computational) Social Choice*
- 07/2024      **“Optimal Budget Aggregation with Single-Peaked Preferences”**  
Conference Talk at *EC 2024*

## Publications and Working Papers

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### Publications

1. F. Brandt, M. Greger, E. Segal-Halevi, and W. Suksompong. **Optimal budget aggregation with single-peaked preferences.** In *Proceedings of the 25th ACM Conference on Economics and Computation (ACM-EC)*, 2024. Forthcoming.
2. F. Brandt, M. Greger, E. Segal-Halevi, and W. Suksompong. **Balanced donor coordination.** In *Proceedings of the 24th ACM Conference on Economics and Computation (ACM-EC)*, page 299, 2023.
3. F. Brandl, F. Brandt, M. Greger, D. Peters, C. Stricker, and W. Suksompong. **Funding public projects: A case for the Nash product rule.** *Journal of Mathematical Economics*, 99:102585, 2022.
4. F. Brandl, F. Brandt, M. Greger, D. Peters, C. Stricker, and W. Suksompong. **Funding public projects: A case for the Nash product rule.** In *Proceedings of the 17th International Conference on Web and Internet Economics (WINE)*, 2021.

### Working Papers (under review)

1. F. Brandt, M. Greger, E. Segal-Halevi, and W. Suksompong. **Coordinating charitable donations.** 2024.
2. F. Brandt, M. Greger, E. Segal-Halevi, and W. Suksompong. **Optimal budget aggregation with star-shaped preferences.** 2024.
3. E. Elkind, M. Greger, P. Lederer, W. Suksompong, and N. Teh. **Settling the score: Portioning with cardinal preferences.** 2024.