

# İbrahim Bahadır Altun

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## EDUCATION

<b>University at Buffalo</b>	2025 M.S., Computer Science
	Thesis: Stochastic Event Prediction in Social Networks
<b>TOBB University</b>	2023 B.S., Computer Science

## RESEARCH EXPERIENCE

My research combines temporal network analysis with statistical modeling and computational social science to study the evolution of complex systems.

<b>University at Buffalo</b> Computer Science Department (Buffalo, NY, USA)	8/2023 – now	<b>Graduate Research Assistant</b> Supervisor: Dr. A. Erdem Sarıyüce
<b>TOBB University</b> Computer Science Department (Ankara, Türkiye)	3/2019 – 5/2023	<b>Undergraduate Research Assistant</b> Supervisor: Dr. Mücahid Kutlu

## TEACHING EXPERIENCE

<b>University at Buffalo</b> Computer Science Department (Buffalo, NY, USA)	8/2023 – now	<b>Graduate Teaching Assistant</b> Algorithm Analysis and Design Algorithms for Modern Computing Systems Introduction to Machine Learning Supervisors: Dr. Kelin Luo, Dr. Russ Miller, and Dr. Alina Vereshchaka
<b>TÜBİTAK</b> National Olympiad Camps (Ankara, Türkiye)	9/2018 – 4/2021	<b>Instructor</b> Advanced Algorithms and Data Structures Supervisor: Dr. Buğra Caşkurlu

## INDUSTRY EXPERIENCE

TRK Technology Strategy & Complexity Team (Ankara, Türkiye)	5/2025 – 8/2025	<b>Quantitative Researcher</b> Supervisor: Dr. Ahmet Soran
Toolio Merchandise Planning Team (New York, NY, USA)	4/2020 – 5/2023	<b>Software Engineer (Remote)</b>
Amazon Web Services AWS Billing Department (Berlin, Germany)	7/2021 – 12/2021	<b>Software Development Engineer Intern</b>

## PUBLICATIONS AND PAPERS

*Papers with future venues are accepted to appear in them.*

- Temporal motifs for financial networks: A study on Mercari, JPMC, and Venmo platforms. Liu, Penghang, Bahadir Altun, Rupam Acharyya, Robert E. Tillman, Shunya Kimura, Naoki Masuda, and Ahmet Erdem Sarıyüce. In *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, 2025.
- GenTREC: The First Test Collection Generated by Large Language Models for Evaluating Information Retrieval Systems. Türkmen, Mehmet Deniz, Mucahid Kutlu, Bahadir Altun, and Gokalp Cosgun. *arXiv preprint*, 2025.
- Fight Against Misinformation on Social Media: Detecting Attention-Worthy and Harmful Tweets and Verifiable and Check-Worthy Claims. Eyuboglu, Ahmet Bahadir, Bahadir Altun, Mustafa Bora Arslan, Ekrem Sonmezler, and Mucahid Kutlu. In *International Conference of the Cross-Language Evaluation Forum for European Languages*, 2023.
- Catch Me If You Can: Deceiving Stance Detection and Geotagging Models to Protect Privacy of Individuals on Twitter. Dogan, Dilara, Bahadir Altun, Muhammed Said Zengin, Mucahid Kutlu, and Tamer Elsayed. In *Proceedings of the International AAAI Conference on Web and Social Media (ICWSM)*, 2023.
- Building test collections using bandit techniques: a reproducibility study. Altun, Bahadir, and Mucahid Kutlu. In *Proceedings of the 29th ACM International Conference on Information & Knowledge Management (CIKM)*, 2020.
- TOBB-ETU at CLEF 2019: Prioritizing claims based on check-worthiness. Altun, Bahadir, and Mücahid Kutlu. In *CEUR Workshop Proceedings*, 2019.

## AWARDS AND FELLOWSHIPS

### Scholarships and Fellowships

- Undergraduate Scholarship Program, National Science Olympiads, Scientific and Technological Research Council of Türkiye (TÜBİTAK), 2018–2023.
- Undergraduate Science Olympiads Full Scholarship and Monthly Stipend, TOBB University of Economics and Technology, 2018–2023.

### Travel Grants

- Student Travel Grant, International AAAI Conference on Web and Social Media (ICWSM), 2023.
- Student Travel Grant, ACM Special Interest Group on Information Retrieval (SIGIR), 2020.

### ACM International Collegiate Programming Contest (ICPC)

- Honorable Mention, Southeastern Europe Regional Contest, 2020.
- 3<sup>rd</sup> place (56 teams) in Turkish Programming Contest (TPC), 2019.

### YSK International Olympiads in Informatics

- Competed against nationally selected participants from Southern Europe and West Asia.
- Silver medal in the main olympiad, 2017.
- 3<sup>rd</sup> place in national selection contest.

### Turkish National Olympiads in Informatics, 2017

- 4<sup>th</sup> place (approximately 25 candidates) in Winter Camp Final.
- Silver medal in the main olympiad.
- 2<sup>nd</sup> place (50+ participants) in Summer Camp Final.
- 13<sup>th</sup> place (301 students) in the first exam on probability, number theory, logic, and algorithms.

### Other Programming Competitions

- 1<sup>st</sup> place (200+ teams), Istanbul Technical University algoComp Qualifier, 2021.
- 5<sup>th</sup> place (200+ teams), Hacettepe University HUPROG Finals, 2021.
- 1<sup>st</sup> place (100+ teams), CodeFest Türkiye, 2016 and 2018.
- 5<sup>th</sup> place (100+ teams), CodeFest Türkiye, 2017.

## SERVICE

- Web Co-Chair of the International AAAI Conference on Web and Social Media (ICWSM), 2024.
- TÜBİTAK National Olympiads in Informatics: Problem Setter and Exam Invigilator, 2018–2021.