

BAHADIR ALTUN

+1 (716) 612-0002 • ibahadiraltun@gmail.com

Google Scholar://Bahadir Altun • Website://ibahadiraltun • LinkedIn://ibahadiraltun

EXPERIENCE

State University of New York at Buffalo

Teaching Assistant

Buffalo, NY, USA

Aug 2023 - Present

TOBB University of Economics and Technology NLP & IR Lab

Research Assistant

Ankara, Turkey

Mar 2019 - Jun 2023

- Conducted research on natural language processing (NLP) and information retrieval (IR).
- Co-authored two papers in highly-competitive NLP and IR venues (%20-25 acceptance rate).
- Built the **first** Turkish BERT-based language model BERTurk-Social with [one] million tweet data.
- Implemented and surveyed **six** existing document selection algorithms in terms of reliability, fairness, and reusability.

Toolio

Software Engineer

(Remote) NY, USA

Software Engineering Intern

May 2020 - Oct 2020

- Developed backend (Node.js) and frontend (Vue.js) features for a high-performance merchandise planning system.
- Author of **500+** commits and **25000+** lines including complex data aggregation features.

Amazon

Software Development Engineer Intern

Berlin, Germany

Jul 2021 - Dec 2021

- Designed and developed a backend notification feature using Kotlin and TypeScript in AWS Billing Department.
- Improved the team's CI/CD pipeline by adding **two** additional stages with three regions for each.
- Fixed pipeline blockage by applying **backward compatibility**.

The Scientific and Technological Research Council of Turkey (TUBITAK)

Teaching Assistant

Multiple, Turkey

Sep 2018 - Apr 2021

- Taught different courses such as data structures, dynamic programming, and discrete math.
- Prepared **50+** problems for coaching high school students to **International Olympiads in Informatics (IOI)**.

HONORS

- The International **AAAI** Conference on Web and Social Media (ICWSM) student travel grants. 2023
- **ACM ICPC** Regional Contests (SEERC) **Honorable Mention** with ranking 11th among 119 outstanding teams. 2020
- ACM Special Interest Group on Information Retrieval (**SIGIR**) student travel grants. 2020
- 1th / 100+ teams at Codefest Turkey (**most participated** national high school contest). 2016 & 2018
- Silver medal at YSK **International** Olympiads in Informatics with ranking 6th among 40 distinguished participants. 2017
- Silver medal at official Turkish **National** Olympiads in Informatics. 2017

PROJECTS

Social Media Analysis Web Application: Python, VueJS, NodeJS, NLP, Google BERT, Hugging Face [MODEL] | [CODE]

Deceiving AI to Protect Privacy: Python, Bash, Computational Social Science, Google BERT [PAPER] | [CODE]

Statistical Rank Correlation: Python, Statistics, IR [PAPER] | [CODE]

Automatic Identification and Verification of Political Claims: Bash, Python, NLP [PAPER] | [CODE]

Skills: C++, Python, JavaScript, TypeScript, MySQL, PyTorch, Vue.js, Node.js

EDUCATION

State University of New York at Buffalo

Ph.D. in Computer Science and Engineering

Buffalo, NY, USA

Aug 2023 - May 2027 (Expected)

Supervision by A. Erdem Sariyuce and focus on Graph Mining, Graph Learning, Graph Generative Models.

TOBB University of Economics and Technology

B.S. in Computer Engineering

Ankara, Turkey

Sep 2018 - Apr 2023

PUBLICATIONS

- [1] A. B. Eyuboglu, **Altun, Bahadir**, M. B. Arslan, E. Sonmezer, and M. Kutlu. Fight Against Misinformation on Social Media: Detecting Attention-Worthy and Harmful Tweets and Verifiable and Check-Worthy Claims. *International Conference of the Cross-Language Evaluation Forum for European Languages*, pages 161–173, 2023.
- [2] D. Dogan, **Altun, Bahadir**, M. S. Zengin, M. Kutlu, and T. Elsayed. Catch Me if You Can: Deceiving Stance Detection and Geotagging Models to Protect Privacy of Individuals on Twitter. *Proceedings of the International AAAI Conference on Web and Social Media*, 17:173–184, 2023.
- [3] **Altun, Bahadir** and M. Kutlu. Building Test Collections using Bandit Techniques. *Proceedings of the 29th ACM International Conference on Information & Knowledge Management*, 2020.
- [4] **Altun, Bahadir** and M. Kutlu. TOBB-ETU at CLEF 2019: Prioritizing Claims Based on Check-worthiness. *CEUR Workshop Proceedings*, 2019.