

Murat Bolu

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Summary

Software engineer at ASELSAN. Master's student at Middle East Technical University. Interested in formal methods, programming languages and compilers.

Education

- Feb 2025 **Master of Science in Computer Engineering,**
— Present *Middle East Technical University, Ankara, Turkey*
Courses of Interest: CENG565 (*Introduction to the Theory of Computation*)
Working on formal methods.
- Aug 2020 **Bachelor of Science in Computer Engineering,**
— Jan 2025 *Middle East Technical University, Ankara, Turkey*
GPA: 3.66, Ranking: 19th/305
Courses of Interest: CENG444 (*Language Processors*), CENG488 (*Guided Research*), CENG424 (*Logic for Computer Science*)
High honor student for the 2020–2021 fall, 2022–2023 spring, 2023–2024 fall & spring semesters.

Experience

- Feb 2025 **Software Engineer, ASELSAN, Ankara, Turkey**
— Present Working in the defense system technologies department.
- Nov 2024 **Software Engineer (Part-time), HAVELSAN, Ankara, Turkey**
— Jan 2025 Worked in the simulation, autonomous, and platform management technologies department.
- Sep 2022 **Undergraduate Teaching Assistant, Middle East Technical University, Ankara, Turkey**
— Jan 2025 Teaching assistant for the *Algorithms* course in Fall 2024, *Programming Language Concepts* course in Spring 2023, *Introduction to Computer Engineering Concepts* course in Fall 2022.
- Mar 2023 **Undergraduate Research Assistant, Middle East Technical University, Ankara, Turkey**
— Sep 2023 Conducted research on artificial intelligence, working with Prof. Faruk Polat. Developed four new heuristics for task assignment in multi-agent pathfinding that run up to three times faster with similar costs.

Languages

English (Fluent), Turkish (Native)

Skills

Programming Languages: C++, Haskell, Python
Version Control: Git