

# Bora Kafadar

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## Education

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**Bilkent University, Faculty of Engineering, Ankara, Turkey** Sept 2024 - June 2028  
*BS in Computer Engineering/Science*

- **GPA:** 3.35/4.0
- **Coursework:** Fundamental Structures of Computer Science I (Grade: A+), Digital Design, Algorithms and Programming I/II, Discrete Math, Calculus I/II

**Gazi Anatolian High School** Sept 2020 - June 2024  
*Science/Mathematics Student*

- Ranked in the top 0.2% (4,892nd out of nearly 2.5 million candidates) in the National University Entrance Exam (YKS).

## Projects

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**BilCity Tycoon** 2025

- Architected a 2D campus simulation game featuring resource management and grid-based building.
- Engineered a JSON serialization system to manage save files.
- Tools Used: Java, LibGDX, JavaFX, Figma
- [GitHub](#)

**Roamio** 2025

- Developed a mobile GPS tracking app that records and visualizes vehicular trips in real-time.
- Integrated Google Maps APIs and utilized XML for responsive Android design.
- Tools Used: Java, Android Studio, APIs
- [GitHub](#)

**Helenalizer** 2025

- Developed a desktop audio visualizer with C++, OpenGL, and SFML.
- Implemented WASAPI Loopback capture and Fast Fourier Transform (FFT) for real-time frequency analysis.
- Built an interactive UI using TGUI and integrated TinyGLTF for 3D asset rendering.
- Tools Used: C++, SFML, CMake
- [GitHub](#)

**boraLLM** 2025

- Fine-tuned Llama 3.1 8B on personal WhatsApp data using Unsloth and LoRA.
- Implemented 4-Bit Quantization to optimize training efficiency on consumer hardware.
- Tools Used: Python, PyTorch, Unsloth, Transformers

## Skills and Abilities

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**Programming Languages:** Java, C#, C++, HTML, CSS

- Libraries and Frameworks: JavaFX, LibGDX, SFML, TGUI

**IDEs:** MS Visual Studio Code, MS Visual Studio, IntelliJ, CLion

**Other:** CMake, Git and GitHub, Figma, JSON, LaTeX, MS Office

**Languages:** Turkish (native), English (professional working proficiency)

**Personal Traits:** Leadership skills, communication skills, good at planning and organization, versatile, good at self-expression, detail-oriented, adaptable and quick-learner, analytical thinker, passionate

**Hobbies and Interests:** Tennis, music making, listening to music, playing the guitar, human and social psychology, video games, TV shows and films, walking

## Extracurricular Activities

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### **ACM Bilkent Student Chapter**

*Sept 2025 - June 2026*

Vice President & Organization Coordinator

- Events Organized: ACM Bilkent Talks, ALPOC, Workshops, SEP, Amazon University Engagement Program

### **Bilkent University CS Department Class Representative**

*Sept 2024 -*

- Formed a communication bridge between CS students and the academia.