

# Gal Cesana

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## Objective

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Seeking a challenging and rewarding position in music generation, where I can leverage my technical skills and strong teamwork abilities to contribute to innovative projects.

## Education

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**B.Sc. The Hebrew University of Jerusalem**, Computer Science

Sept 2023 Ű Expected  
Graduation: 2026

**in Com-  
puter  
Science**

- GPA: 3.8/4.0
- **Coursework:** Algorithms, Data Structures, Operating Systems, Databases, Object-Oriented Programming, Network Systems, Software Engineering, Introduction to Natural Language Processing, Machine Learning Methods, Introduction to Machine Learning.

## Technical Skills

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**Programming Languages:** Python, C, C++, PostgreSQL, Java

**Machine Learning and Data Analysis Libraries:** TensorFlow, PyTorch, Pandas, NumPy

**Tools:** Git, Linux, Data Annotation Tools (developed in Python)

**Music Production Skills:** Proficient in music theory, composition, and sound design. Experienced with music production software like FL Studio and Ableton Live.

## Experience

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**SAIPS (A Ford Motor Company Subsidiary)**, Data Annotator

Tel Aviv, Israel  
Dec 2021 Ű Oct 2022

- Developed and utilized data annotation tools in collaboration with developers to label data, enabling training of neural network models for autonomous vehicle systems.
- Gained hands-on experience with Python, data processing, and annotation for machine learning applications in a real-world R&D environment.

**HR Officer (Captain)**, Israel Defense Forces (IDF)

Israel Defense Forces (IDF)  
Jul 2018 Ű May 2021

- Led the HR department for a unit of 500 personnel, managing all HR planning, data handling, and administrative tasks.
- Supervised a team of 12, developing strong teamwork and leadership skills in a fast-paced and high-responsibility setting.

## Projects

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**Multi-User Drawing Tool**

[github.com/name/repo](#) 

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized.
- Tools Used: C++, MFC

**Synchronized Desktop Calendar**

[github.com/name/repo](#) 

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users.
- Tools Used: C#, .NET, SQL, XML

**Custom Operating System**

2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator.
- Tools Used: C

**Music Generation Projects**

Various

- Developed and implemented music generation algorithms using machine learning techniques.
- Created original music compositions utilizing various genres and styles.

**Personal Interests**

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Running, Basketball, DJing, Music Production, Exploring New Technologies.