



# Hasan Sercan Atlı

## Software Engineer & Audio Engineer

Barcelona, Spain

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🔗 [www.github.com/hsercanatli](https://www.github.com/hsercanatli)

🏠 [sercanatli.me](https://sercanatli.me)

## Work Experience

July, 2016 - Present

[Barcelona/Spain](#)

### Software Developer & Researcher

Music Technology Group, Pompeu Fabra University

Developing a modular, customizable and open-source desktop application for accessing and visualizing the music scores, audio recordings, the relevant metadata and the automatic descriptions extracted from these resources.

#### Tasks & Achievements

- Designing the user interface using Qt 5 Framework and Python (PyQt)
- Backend development (database operations, API integration, threading etc.)
- Defining use cases
- Implementing the user interaction
- Continuous integration and documentation

The repository of the project: <https://github.com/MTG/dunya-desktop>

Contact: Prof. Xavier Serra    [xavier.serra@upf.edu](mailto:xavier.serra@upf.edu)

January, 2014 - May, 2016

[Istanbul/Turkey](#)

### Researcher in the CompMusic Project

Audio Technologies, Bahçeşehir University

CompMusic is a research project funded by the European Research Council carried out the Music Technology Group of Pompeu Fabra University in Barcelona (Spain). It aims to advance in the automatic description of music by emphasizing cultural specificity. It carries research within the field of music information processing with a domain knowledge approach.

The web-site of the project: <http://compmusic.upf.edu>

#### Tasks & Achievements

- Developed computational audio analysis methodologies such as predominant melody extraction and tonic identification
- Developed visualization and synthesis tools for music scores
- Assisted the creation of research corpora and test datasets

The developed technologies are used in a web-based automatic music discovery application: <http://dunya.compmusic.upf.edu/makam>

June, 2014 - October, 2014

[Barcelona/Spain](#)

### Visiting Researcher

Music Technology Group, Pompeu Fabra University

Worked with the CompMusic team in Barcelona within the scope of Erasmus+ internship.

Contact: Dr. Sertan Şentürk    [sertan.senturk@upf.edu](mailto:sertan.senturk@upf.edu)

September, 2011 - June, 2013

[Ankara/Turkey](#)

### Part-Time Classical Guitar Instructor

Pieta Music & Organisation

Worked as a part time classical guitar instructor in a music education institution.

Contact: Dr. Deniz Başuğur    [denizbasugur@gmail.com](mailto:denizbasugur@gmail.com)

# Education

September, 2013 - May, 2016

Istanbul/Turkey

## Audio Technologies

Bahçeşehir University

Masters thesis topic: An interactive tuition software for the melodic dimension of Turkish makam music

### Courses

- Fundamentals of Digital Signal Theory
- Speech Processing
- Music Production Techniques
- Music Studio and Recording Techniques
- Multi-Track Mixing and Mastering
- Post Production for Moving Images

Thesis supervisor: Dr. Barış Bozkurt

barisbozkurt0@gmail.com

September, 2008 - June, 2013

Ankara, Turkey

## Civil Engineering

Atılım University

- 50 outstanding students programme <http://izbirakan50ogrenci.atilim.edu.tr/en/hakkinda>

# Skills & Competences

## Programming

- Python, Qt, MATLAB, PyQt, Robot Framework, C++
- Git, Continuous Integration, Code Quality
- SQLite

## Softwares

- Microsoft Office, Latex, InkScape
- Pro Tools, Logic Pro, Garage Band

## Operating Systems

- Mac OS X, Linux, Microsoft Office

## Languages

- Turkish - Native
- English - Professional working proficiency
- Spanish - Basic

## Sound Engineering

- Studio / Field recording
- Audio mixing
- Audio mastering

# Publications

- Atlı, H. S., Şentürk, S., Bozkurt, B., and Serra, X. (2017). Synthesis of Turkish makam music scores using an adaptive tuning approach. 7th International Workshop on Folk Music Analysis (FMA 2017), Malaga, Spain (Accepted)
- Atlı, H.S. An interactive tuition software for the melodic dimension of Turkish makam music, Master's Thesis, Bahçeşehir University, İstanbul, 2016
- Atlı, H. S., Bozkurt, B., Şentürk, S. (2015). A method for tonic frequency identification of Turkish makam music recordings. In Proceedings of 5th International Workshop on Folk Music Analysis (FMA 2015), pages 119-122, Paris, France.
- Atlı, H. S., Uyar, B., Şentürk, S., Bozkurt, B., and Serra, X. (2015). Audio feature extraction for exploring Turkish makam music. In Proceedings of 3rd International Conference on Audio Technologies for Music and Media (ATMM 2015), pages 142-153, Ankara, Turkey.
- Uyar, B., Atlı, H. S., Şentürk, S., Bozkurt, B., and Serra, X. (2014). A corpus for computational research of Turkish makam music. In Proceedings of 1st International Digital Libraries for Musicology Workshop (DLfM 2014), pages 57-63, London, United Kingdom.

# Awards

October, 2015

New York, USA

## Audio Engineering Society 139<sup>th</sup> Convention, Student Design Competition

Received the silver award in the Student Design Competition - Graduate Category.

- Attended the competition with an ear training prototype software.
- <http://www.aes.org/students/awards/design/aes139.cfm>

April, 2014

Berlin, Germany

## Audio Engineering Society 136<sup>th</sup> Convention, Student Recording Competition

Received the bronze award in the Student Recording Competition - Category II (Traditional Studio Recording)

- Details are available on the link. <http://www.aes.org/students/blog/2014/7/aes-136-meet-the-winners-3-hasan-sercan-atli>

September, 2013

Istanbul, Turkey

## Bahçeşehir University, Audio Technologies

Full scholarship

## Talks and Participations

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February, 2016

**Presentations of CompMusic research on Turkish makam music**

Oral presentations at six different universities.

[Istanbul, Ankara/Turkey](#)

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October, 2015

**Audio Engineering Society (AES) 139<sup>th</sup> Convention**

Design competition.

[New York, USA](#)

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June, 2015

**International Workshop on Folk Music Analysis (FMA)**

Oral presentation.

[Paris, France](#)

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April, 2015

**IEEE Signal Processing and Communications Applications Conference (SIU)**

Oral presentation.

[Malatya, Turkey](#)

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October, 2014

**Audio Technologies for Music and Media (ATMM)**

Oral presentation.

[Ankara, Turkey](#)

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September, 2014

**International Digital Libraries for Musicology Workshop (DLfM)**

[London, UK](#)

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September, 2014

**Culture specific approaches in music technology: Turkish music case**

Oral presentation.

[Istanbul, Turkey](#)

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April, 2014

**Audio Engineering Society (AES) 136<sup>th</sup> Convention**

Recording competition.

[Berlin, Germany](#)

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## Audio Engineering (Selected Examples)

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April, 2014

**Sabah, Nilipek**

Studio recording and mixing

[http://db.orangedox.com/Lo725saitIU9meYffA/97992\\_traditionalstudio-Nilipek-Sabah.wav](http://db.orangedox.com/Lo725saitIU9meYffA/97992_traditionalstudio-Nilipek-Sabah.wav)

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March, 2014

**Mağusa Limanı, Voice of Civilizations Choir**

Field recording and mixing

<https://vimeo.com/96854887>

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May, 2015

**Yeni Bir Gün, Görkem Baharoğlu**

Mastering

<https://www.youtube.com/watch?v=-b-aqu1tAK4>

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December, 2015

**Commercial video production for n11.com**

Field recording

<https://www.youtube.com/watch?v=5ZcEbzk3EeM&t=74s>

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## Activities & Interests

- I have been playing the classical guitar for more than 10 years.
- Music technologies and music production techniques are my interests.  
I have worked on several music production and post production projects as a sound engineer.
- Swimming and cycling