



Hasan Sercan Atli

Software Engineer & Audio Engineer

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Work Experience

07/2016 - Present

Barcelona/Spain

Software Engineer & Researcher

Music Technology Group, Pompeu Fabra University

<http://compmusic.upf.edu/>

Developing a modular, customizable and open-source desktop application for accessing and visualizing music data.

Tasks & Achievements

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

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

Contact: Prof. Xavier Serra xavier.serra@upf.edu

01/2014 - 05/2016

Istanbul/Turkey

Researcher

Audio Technologies, Bahçeşehir University

Tasks & Achievements

- Developed computational audio analysis methodologies
- 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>

Contact: Dr. Sertan Şentürk sertan.senturk@upf.edu

06/2014 - 10/2014

Barcelona/Spain

Visiting Researcher

Music Technology Group, Pompeu Fabra University

Erasmus+ internship

Contact: Dr. Sertan Şentürk sertan.senturk@upf.edu

09/2011 - 06/2013

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. İlker Deniz Başuğur denizbasugur@gmail.com

Education

09/2013 - 05/2016

Istanbul/Turkey

Audio Technologies, MSc.

Bahçeşehir University

Master's thesis topic: Ear training software development

Courses

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

Thesis supervisor: Dr. Barış Bozkurt

09/2008 - 06/2013

Ankara/Turkey

Civil Engineering, BSc.

Atılım University

50 outstanding students programme

- Details are available on the link.

<http://izbirakan50ogrenci.atilim.edu.tr/en/hakkinda>

Skills & Competences

Programming

- Python, Qt, MATLAB, PyQt
- Git, Continuous Integration, Code Quality
- SQLite

Operating Systems

- Mac OS X, Linux, Microsoft Windows

Softwares

- Latex
- Pro Tools, Logic Pro, Garage Band
- Final Cut Pro, iMovie

Languages

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

Publications

- Atli, H.S. An interactive tuition software for the melodic dimension of Turkish makam music, Master's Thesis, 2016
- Atli, H.S. et al. A method for tonic frequency identification of Turkish makam music recordings, FMA 2015, Paris.
- Atli, H.S. et al. Audio feature extraction for exploring Turkish makam music, ATMM 2014, Ankara.

Awards

10/2015

New York, USA

Audio Engineering Society (AES) 139th Convention, Student Design Competition

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

- Attended the competition with an ear training prototype software.

04/2014

Berlin, Germany

Audio Engineering Society (AES) 136th 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>

Selected Talks

05/2015

Malatya, Turkey

IEEE Signal Processing and Communications Applications Conference

- Presented a new method for tonic identification of Turkish makam music recordings.

03/2013

London, UK

International Digital Libraries for Musicology Workshop

- Presented a research corpus for Turkish makam music.

Activities and Interests

- Music technologies and music production techniques.
- Classical guitar
- A big fan of FPS games.