

# MICHAL N. GOLDSTEIN

## CURRICULUM VITAE

### PERSONAL INFORMATION

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AFFILIATIONS: Department of Music and Performing Arts Professions  
Music Technology Program  
Music and Audio Research Laboratory  
Center for Language, Music and Emotion (CLaME)  
New York University

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PRONOUNS: she/her

### EDUCATION

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2019 - | PhD in Music Technology, NEW YORK UNIVERSITY  
Advisors: Prof. Mary Farbood, Dr. Pablo Ripollés

2016 - 2018 | MA in Musicology and Cognitive Sciences, THE HEBREW UNIVERSITY OF JERUSALEM  
Advisors: Prof. Roni Grant, Prof. Ayelet Landau

2013 - 2016 | BA in Psychology and Musicology, THE HEBREW UNIVERSITY OF JERUSALEM  
double major, Magna Cum Laude

### RESEARCH POSITIONS

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CURRENT - **Music and Audio Research Laboratory** (PhD candidate)  
New York University

JULY 2018 - AUG 2019 **Israel Nelken's Lab** (Research assistant)  
*Laboratory of Auditory Neurophysiology*  
The Hebrew University of Jerusalem

NOV 2015 - AUG 2019 **Landau Lab** (Graduate student)  
*Brain, Attention & Time laboratory*  
The Hebrew University of Jerusalem

OCT 2016 - AUG 2019 **Roni Granot's Lab** (Graduate student)  
*Music Cognition laboratory*  
The Hebrew University of Jerusalem

JUNE 2014 - OCT 2019 **Roni Granot's Lab** (Research assistant)  
*Music Cognition laboratory*  
The Hebrew University of Jerusalem

## CONFERENCE TALKS & POSTERS

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- 2023 | Exploring Melodic Contour Using Machine-Learning Tools  
*Conference for Musical Discussions by Early-Career Researchers*  
Talk
- 2022 | Exploring Melodic Contour: A Clustering Approach  
*International Conference for Systematic Musicology (SysMus)*  
Talk
- 2021 | CHILLER: a Computer Human Interface for the Live Labeling of Emotional Responses  
*New Interfaces for Musical Expression (NIME)*  
Poster
- CHILLER: a Computer Human Interface for the Live Labeling of Emotional Responses  
*International Conference on Music Perception and Cognition (ESCOM/ICMPC)*  
Poster
- An Empirical Investigation Into the Cognitive and Physical Influences of Bass and Syncopation  
*International Conference on Music Perception and Cognition (ESCOM/ICMPC)*  
Poster
- 2018 | Perception of size of musical intervals  
*The Jerusalem Brain Community Brain & Beer event*  
Invited Talk
- Perceiving Musical Intervals: a test case for categorical perception  
*International Conference on Music Perception and Cognition (ESCOM/ICMPC)*  
Talk (long paper)
- Pitch Height Affects Perception of Musical Intervals  
*The Jerusalem Brain Community Annual Retreat*  
Poster
- Pitch Height Affects Perception of Musical Intervals  
*The Israeli Conference on Cognition Research*  
Poster
- 2017 | Perceiving Musical Intervals: a test case for categorical perception  
*Music, Language and Cognition summer school 2017*  
Talk
- Perceiving Musical Intervals: a test case for categorical perception  
*The Jerusalem Brain Community Annual Retreat 2017*  
Selected for "Poster Blitz" presentation
- Perceiving Musical Intervals: a test case for categorical perception  
*The Israeli Conference on Cognition Research*  
Poster

## FUNDING & AWARDS

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2019 -	New York University, Steinhardt Doctoral Fellowship (MUTD-PHD)
2019	Department of Musicology, Hebrew University Graduate Studies Grant
2018	The Jerusalem Brain Community Travel Grant MA honors program of the Mandel school for Advanced Studies in the Humanities
2017	MA honors program of the Mandel school for Advanced Studies in the Humanities Department of Musicology, Hebrew University Graduate Studies Grant Department of Musicology, Hebrew University Travel Grant
2016	MA honors program of the Mandel school for Advanced Studies in the Humanities Department of Musicology, Hebrew University Graduate Studies Grant

## TEACHING EXPERIENCE

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MUSIC THEORY	Keyboard Harmony A Department of Musicology, Hebrew University Fall 2016 - Spring 2018 <b>Adjunct Professor</b>
	Keyboard Harmony B Department of Musicology, Hebrew University Fall 2016 - Spring 2018 <b>Adjunct Professor</b>
	Preparatory Course for Entrance Exams Department of Musicology, Hebrew University Summer 2017 <b>Adjunct Professor</b>
MUSIC COGNITION	Concerto for Music and the Brain Department of Musicology, Hebrew University Spring 2017, Spring 2018 <b>Teaching Assistant</b>
STUDENT ADVISEMENT	Hands-on Intro to Research course Department of Cognitive Sciences, Hebrew University Spring 2017 <b>Undergrad student supervision</b>
	Hands-on Intro to Research course Department of Psychology, Hebrew University Fall 2017 <b>Undergrad student supervision</b>

PIANO TEACHING	Mandel School for Advanced Studies in the Humanities Issawiya, East Jerusalem 2016-2017 Town & Gown Project Volunteer
	George Shaeffer Conservatory Judean Desert 2015-2016 Student Teacher

## SKILLS & QUALIFICATIONS

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PROGRAMMING LANGUAGES:	Python, Swift, C, R, Matlab
COMPUTER PROGRAMS & ENVIRONMENTS:	JASP, PRAAT, Audacity, Sonic Visualizer, Solidworks, Psychopy Adobe Illustrator, Indesign & Animate, JupyterLab, GitHub, LaTeX, PyCharm, XCode
DATA ACQUISITION & ANALYSIS:	Music Information Retrieval Digital Signal Processing, Machine Learning (Scikit-learn, TensorFlow) Statistical Analysis Methods (including linear models, categorical and continuous data, regression, ANOVA ) Auditory psychophysics, EEG, MEG Behavioral experiments
DATA VISUALISATION:	Python, Rstudio, Matlab

## PUBLICATIONS

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Pelofi, C., **Goldstein, M**, Bevilacqua, D., McPhee, M., Abrams, E., & Ripollés, P. (2021). CHILLER: a Computer Human Interface for the Live Labeling of Emotional Responses. *International Conference on New Interfaces for Musical Expression*. <https://nime.pubpub.org/pub/kdahf9fq/release/1>

**Goldstein, M**, Granot, R., Ripollés, P., & Farbood, M. M. (in press). Exploring melodic contour: A clustering approach. *Music Perception*. <https://osf.io/pkfwx>