

MICHAL N. GOLDSTEIN

CURRICULUM VITAE

PERSONAL INFORMATION

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

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

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

- 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

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

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

PIANO TEACHING	Mandel School for Advanced Studies in the Humanities Issawiya, East Jerusalem 2016-2017 Town & Gown Project Volunteer George Shaeffer Music School Jerusalem 2015-2016 Piano Teacher
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SKILLS & QUALIFICATIONS

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

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>