

**ROBERT THOMAS MCPHEE**  
**1514 Mabry Mill Rd            Houston, TX 77062**  
**281-627-7669            tommym888@gmail.com**

## **EDUCATION**

**Arizona State University (Fall 2023-Present)- Tempe, AZ**  
**Doctor of Musical Arts in Interdisciplinary Digital Media (expected in Spring 2026)**  
Graduate Certificate in Music Theory Pedagogy, expected by Spring 2024  
Funded by teaching assistantship in music theory and aural skills (2023-Present)  
Overall Cumulative GPA: 4.0

**Georgia Southern University (Fall 2021-Spring 2023)- Statesboro, GA**  
**Master of Music in Music Technology (obtained May 2023)**  
Funded by assistantships (teaching (2022-3), graduate (2021-2)) in music technology  
Overall Cumulative GPA: 4.0

**Lamar University (Fall 2017-Spring 2021)- Beaumont, TX**  
**Bachelor of Music in Music Composition (obtained May 2021)**  
Funded by the Mirabeau Scholarship, a four-year merit-based academic scholarship including full tuition, room/board, fees, and stipend for books and supplies  
Reaud Honors College Graduate  
Overall Cumulative GPA: 4.0

## **WORK EXPERIENCE**

**Youth Services Support Staff (July 2024-Present)**  
**Tempe Public Library (located in Tempe, AZ)**  
Assists with programming and book displays for youth and teens as well as clerical duties including checkouts, returns, and library card creation among other services. Responsible for secondary supervision of children as well as basic custodial duties.

**Graduate Services Assistant (January 2024-Present)**  
**Arizona State University (located in Tempe, AZ)**  
Responsible for processing, spatializing, and integrating sound to be used within the MILES project, a virtual-reality experience designed to teach introductory music theory.

**Information Technology Assistant (October 2023-Present)**  
**Arizona State University (located in Mesa, AZ)**  
Responsible for inventory and software troubleshooting/management at the Media and Immersive EXperiences (MIX) center in Mesa, AZ. Works with staff, faculty, and students to troubleshoot issues and check out equipment. Helps facilitate technical

needs at special events. As one of the longest-employed workers within the very new IT department, this position also involves creating department policies with MIX leadership.

**Teaching Assistant (August 2023-Present)**

**Arizona State University (located in Tempe, AZ)**

Responsible for instructing undergraduate aural skills classes and assisting with music theory lectures and grading. Has lectured music theory above and beyond the requirements of the position as part of the Music Theory Pedagogy graduate certificate.

**Teaching Assistant (August 2022-May 2023)**

**Georgia Southern University (located in Statesboro, GA)**

Sole Instructor of Record for all upper-level undergraduate coursework in Music Technology (MUSC 4535- Digital Audio Workstations and MUSC 4534- Recording Studio Techniques); this role included near-exclusive responsibility for curriculum design. Concurrently retained most responsibilities from previous position as a graduate assistant, including tech lab supervisory and managerial duties, library work duties, and sporadic facilities responsibilities, including the facilitation of Channel Noise concerts.

**Graduate Assistant (August 2021-May 2022)**

**Georgia Southern University (located in Statesboro, GA)**

This role entailed the entirety of the above responsibilities with the sole exceptions of teaching and curriculum design. Additionally, this position required serving as the department Facilities Manager responsible for maintenance and repair of music technology software and hardware, including a variety of IT and inventory tasks. This role also involved creating, managing, and enforcing studio policies and sign-up protocol.

**Lifeguard Supervisor and LGI-Certified Training Instructor**

**Gulf Coast Aquatics (May-August 2021)- Kemah, TX**

**Poseidon Aquatic Management Consulting (June 2016-August 2019)- Houston, TX**

Instructed lifeguards as a Red-Cross certified Lifeguard Instructor and continually audited them for safety skills. Drove a company vehicle to supervise pools and perform basic maintenance procedures and balance water chemistry. At PAMC, was responsible for scheduling and supervising a staff of around 20 lifeguards. Was also responsible for lifeguarding, setting up special events, and teaching beginner-level swim lessons.

**Cardinal Communities Office Assistant (August-December 2020)**

**Lamar University (located in Beaumont, TX)**

This role involved data entry, record keeping and performing clerical office duties.

**Resident Assistant (August 2018-March 2020)**

**Lamar University (located in Beaumont, TX)**

Responsible for assisting residents at the front desk and on-call 24/7, as well as conducting supervisory nightly rounds and serving as a community leader in student housing. Assisted with clerical desk duties as well as crisis situations. Worked to engage and support a diverse and underserved population of primarily first-generation

undergraduate students. Designed, planned, promoted, and executed monthly programs to engage residents and designed decorations and bulletin boards.

## **PERFORMANCES & PRESENTATIONS**

### **SEAMUS Soundscapes of Inner Peace- March 2024**

**Hosted by New York University (located in New York, NY)**

*Discretion* (for 12 channel fixed media and video)

### **MOXSonic Missouri Experimental Sonic Arts Festival- March 2024**

**Hosted by the University of Central Missouri (located in Warrensburg, MO)**

*Inclusive Composition Environments for Nonstandard Sound Synthesis* (paper)

*Windows*, for live electronics and video

### **PRISMS Contemporary Music Festival- November 2023**

**Hosted by Arizona State University (located in Tempe, AZ)**

*Freezing Tereré*, for brass quintet and generative audio-reactive video

### **TURN UP Multimedia Festival- April 2023**

**Hosted by the University of Arizona (located in Tuscon, AZ)**

*Windows*, for live electronics

### **SEAMUS National Conference- March 2023**

**Hosted by New York University (located in New York, NY)**

*Inclusive Composition Environments for Nonstandard Sound Synthesis* (paper)

### **Electronic Music Midwest- April 2022**

**Hosted by Lewis University (located in Romeoville, IL)**

*Squares*, for hardware polyphonic synthesizer and live recording and processing

### **TUTTI New Arts Festival- March 2022**

**Hosted by Denison University (located in Granville, OH)**

*Squares*, for hardware polyphonic synthesizer and live recording and processing

### **Fonema Consort Ensemble-in-Residence Concert- April 2024**

**Performed in the Organ Hall (located in Tempe, AZ)**

*Automorphism*, for soprano, flute, alto saxophone, and fixed video

### **ASU Symphony Orchestra Spring Concert- March 2024**

**Performed in the Organ Hall (located in Tempe, AZ)**

*Zero Gravity*, for string orchestra and generative video

### **Arizona State University Composition Department Recitals**

**Performed in the Katzin Concert Hall (located in Tempe, AZ)**

*Discretion* (for 4 channel fixed media and video)- April 2024

*Collective Perception* (for generative stereo fixed media and video)- February 2024

***Channel Noise Concert Series* (hosted by Georgia Southern University)**

**Performed in the Carter Recital Hall (located in Statesboro, GA)**

*Counterpoint* (for generative fixed media)- November 2022

*Windows*, for live electronics- April 2022

*Squares*, for hardware polyphonic synthesizer and processing- October 2021

**BM Senior Recital (Lamar University, pre-recorded due to pandemic)- May 2021**

*Space Pool*, for woodwind trio (flute and two Bb clarinets)

*Four Seasons*, for grand piano and toy piano

*Fortitude*, for brass trio (horn, euphonium, tuba)

*The Sweetest Poison*, for solo piano

*Zaphod Beeblebrox*, for low brass trio (trombone, euphonium, tuba)

*Ice Cube*, for hardware electronics and live-recorded playback and processing

*The Third Eye*, for alto saxophone and hardware sampler (performed asynchronously)

*Lunar Truth*, for generative hardware synthesizer

**Lamar University Department Recital- April 2019**

**Performed in the Rothwell Recital Hall (located in Beaumont, TX)**

*Sipping on Tereré*, for brass quintet (trumpet, horn, trombone, euphonium, tuba)

**INSTRUMENTAL & ENSEMBLE EXPERIENCE**

Georgia Southern University Electronic Music Ensemble (mixed instruments)

Georgia Southern University Wind Symphony (clarinet)

Lamar University Symphonic & University Bands (principal clarinet, section leader)

Lamar University Showcase of Southeast Texas Marching Band (clarinet, sousaphone)

**HONORS & PUBLICATIONS**

Recipient of the \$1000 Mykityn family composition prize for *Windows* (Fall 2023)

Presented “Inclusive Composition Environments for Nonstandard Sound Synthesis” paper at the MOXsonic Missouri Experimental Sonic Arts festival (University of Central Missouri, March 2024) and SEAMUS conference (New York University, March 2023)

Completed MM Final Project and Paper on “The Self-Similar Synthesizer”, and investigative computer program which generates auditory fractals from number sets.

Presented two *Behind the Music* radio broadcasts at Lamar University, covering J. S. Bach's counterpoint and expressionist orchestration techniques (Fall 2018/Spring 2019)

## **INTERNSHIPS AND PROFESSIONAL DEVELOPMENT COURSEWORK**

**MTC 584- Music Theory Pedagogy Internship (taken Fall 2023 at ASU)**

**MUP 584- Music Entrepreneurship Internship (starting Fall 2024 at ASU)**

**MTC 525- Pedagogy of Theory (taken Fall 2023 at ASU)**

**MUP 538- The Enterprising Artist (starting Fall 2024 at ASU)**

## **SPECIALIZATIONS WITHIN GRADUATE COURSEWORK**

- **Audiovisual Composition**
  - AME 532- Creating Interactive Media (DMA starting fall 2024)
  - MTC 598- Topic: Sound Art and Multimedia Environments (DMA)
  - AME 598- Topic: Spatial Audio for XR (DMA)
  - MUSC 7891- Audiovisual Composition (MM)
- **Advanced Sound Synthesis**
  - AME 511- Advanced Interactive Sound (DMA)
  - MUSC 7534- Interactive Media (MM)
  - MUSC 7533- Sound Design (MM)
- **Spatial Audio (composition for 5th order ambisonics using tools such as SPAT Revolution, REAPER, Max, and Open Sound Control Networking)**
  - AME 598- Topic: Spatial Audio for XR (DMA)
  - AME 591- Acousmatic Composition (taken as MTC 790, DMA)
- **Contemporary Musicology**
  - MHL 598- Topic: Music Since 1950 (DMA)
  - MTC 591- Topic: Spectralism (DMA)
  - MTC 598- Topic: Sound Art and Multimedia Environments (DMA)
  - MUSC 5233G- Music in the Contemporary Period (MM)
  - MUSC 5630G- Music, Technology, and Contemporary Culture (MM)
- **Digital Audio Workstations**
  - Digital Audio Montage (MM)
  - Taught Digital Audio Workstations and Recording Studio Techniques
  - DAWs used for sound design on the MILES project (see work experience)

## **OTHER PROFESSIONAL SKILLS**

Experience with low-level audio and graphics programming in C++ and GLSL

Score transcription & arranging for a variety of instrumentations using Finale

Experience with Digital Audio Workstations: ProTools, FL Studio, and REAPER

Extensive experience with domain-specific music programming languages:  
Max/MSP/Gen/Jitter, SuperCollider, Kyma, ChuckK, and several other environments

Completed graduate-level coursework in Max (Interactive Media- Fall 2022, Audiovisual Composition- Spring 2023, Spatial Audio for XR- Fall 2023, Advanced Interactive Sound- Spring 2024), Kyma (Acousmatic Composition- Spring 2024), SuperCollider (Sound Design- Spring 2022) and ProTools (Digital Audio Montage- Fall 2021)

Extensive experience with hardware sound synthesis, performance, and composition

Librarian experience as Youth Services Support Staff with the City of Tempe and as a music librarian within graduate assistant duties at Georgia Southern University

Experience with Information Technology Support at the ASU MIX Center as an Information Technology Assistant and at Georgia Southern University as the Facilities Manager responsible for maintaining computer software and hardware equipment

Experience with employee scheduling and management within multiple professional roles (Lifeguard Supervisor, Graduate and Teaching Assistant at Georgia Southern)

## **RESEARCH INTERESTS**

Compositional abstraction: aesthetics and technical approaches, including works for maximally flexible electronic playback and acoustic performance contexts; works incorporating generative and/or aleatoric elements and live improvisation

Parallelism: self-similar sound synthesis and composition, artistic applications of iterated function systems, parallel audio computing paradigms, nonlinear and antinarrative forms

Audiovisual composition: artistic approaches to integrating video and sound

Nonstandard sound synthesis: sample-level audio generation techniques