

## Thomas Royal, M.M.

---

(336) 543 – 3684  
thomas.m.royal@gmail.com  
tmroyal.com

2348 SE 30<sup>th</sup> Pl.  
Gainesville, FL. 32748

### Education

2008 – present. **Ph.D.** ( A.B.D. ) Music Composition. University of Florida. Dr. Paul Koonce and Dr. James Paul Sain. Alumni Fellow.

2006 – 2008. **M.M.** Music Composition. University of North Carolina – Greensboro. Dr. Mark Engebretson and Dr. Alejandro Ruty.

Thesis: *Two Fragments on Water and Light* (composition) and *Custom Controllers and Physical Models as Enablers of Communal Performance in Two Fragments on Water and Light* (document)

1997 – 2001, 2004 – 2005. **B.S.** Music Composition. Austin Peay State University. Dr. Jeffrey Wood.

Summer 2006. Physical Interaction Design for Music. Stanford University. Michael Gurevich and Carr Wilkerson.

### Selected Compositions and Research Projects:

2011 – 2012. iPad application development.

*r'doldi* ( approx. 3000 downloads )  
*Metachord of Eros* ( approx. 600 downloads )  
*c'granon'f* ( approx. 600 downloads )

Using openframeworks ( c++ ), I crafted three audio-visual applications that are currently available in the Apple app store under the *nom de plume* “Liminal.”

2010. *A Phenomenology of Whispering*. ( Electroacoustic sound. )

Performed at *Music for Baughman*. University of Florida, Gainesville, FL. 2010.

2009. *Ruptures*. ( Electroacoustic sound. )

Performed at ICMC 2010, SEAMUS 2010, NYCEMF 2010, FEaSt 2010, EMM 2009, SCI-IV 2009.

2007. *Three Fragments on Water and Light*. ( Voice, Lichflöte, Toriton Plus, and Bls.)

Mater's thesis composition utilizing custom built instruments. Performed during master's recital. Accepted to ICMC 2008 Belfast, but performance there was logistically unfeasible.

2007. *Soft Stings of a Cold Dead Image*. ( For vocal performer and Max/MSP. )

Performed at SEAMUS 2008, NYCEMF 2008.

2006. *Three Poems of Pierre Reverdy*. For tenor, cello, and piano.

Performed at UNCG New Music Festival 2008, SECL 2007, and APSU Dimensions New Music Series 2008.

## **Festival Appearances and Performances**

### *Individual:*

2010 International Computer Music Conference (ICMC), New York.  
Featured work: *Ruptures*

2010 SEAMUS, Saint Cloud, MN.  
Featured work: *Ruptures*

2010 New York City Electroacoustic Music Festival (NYCEMF), New York.  
Featured work: *Ruptures*

2010 Society of Composers (SCI) Region IV Conference. Greensboro, NC.  
Featured work: *Ruptures*

2009 Electronic Music Midwest (EMM), Kansas City, KS.  
Featured work: *Ruptures*

2009 New York City Electroacoustic Music Festival (NYCEMF), New York.  
Featured work: *Soft Stings of a Cold Dead Image*

2008 SEAMUS, Salt Lake City, UT.  
Featured work: *Soft Stings of a Cold Dead Image*

## **Technical Competencies and Experience**

*Audio software:* Logic, ProTools, Max/MSP, cSound, supercollider, Amadeus

*Music Notation:* Sibelius, Finale, Inkscape.

*Programming Languages:*

General: C, C++, Python, Ruby, Octave

Domain Specific / Frameworks: supercollider, Max/MSP, OpenCV, Processing, openframeworks, Synthesis Toolkit (STK)

*Web:* HTML, CSS, javascript, backend (Ruby, javascript)

*Custom Hardware:* Arduino, Atmel microcontrolers, sensors.

## **Teaching Experience**

*Fall 2011. Music Theory I. Teaching Assistant.*

*Spring 2011. Music Composition II. Instructor.*

I designed and conducted this project based course.

*Fall 2010. Music Theory III. Teaching Assistant.*

*Fall 2008 – Spring 2010. Music Technology Teaching Assistant.*

*Courses (technology of focus):* Introduction to Electroacoustic Music (**ProTools**, Digital Performer, Reason), Composition of Electroacoustic Music (**Max**), Electroacoustic Music Composition/Digital I (cSound), Electroacoustic Music Composition Digital II (**MSP**)

*Duties:* Varied greatly depending on size of enrollment and instructor's schedule. Duties included grading, administering quizzes, lecturing for extended portions of the semester, assisting students with troubleshooting issues, and developing novel demonstrations of the technology of focus.

*Fall 2006 – Spring 2008. Music Theory I and II. Teaching Assistant.*

*Duties:* Responsible for planning and conducting most lessons according to a loosely defined schedule given by instructor.

## **Other Work Experience**

*Spring 2012. Online Music Theory Rudiments Course Administrator.*

*Fall 2008 – Spring 2010. Computer Lab Manager.*

*Spring 2008. Technical Director, UNC Greensboro New Music Festival.*

## **Awards and Recognition**

*2007 Winner – APSU 21<sup>st</sup> Annual Young Composer's Competition for *Three Poems of Pierre Reverdy**

*2006 Finalist – ASCAP Morton Gould Young Composer's Competition for *Dissipating Hallucinations* (for solo piano)*