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## Education

- 2014- UNIVERSITY OF GEORGIA – HUGH HODGSON SCHOOL OF MUSIC  
*Master of Music in Performance: Conducting*  
*Georgia T-4 Public School Teaching Certification*  
*Expected Date of Completion: January 2017 – GPA 4.0/4.0*
- 2010-14 CORNELL UNIVERSITY – COLLEGE OF ARTS AND SCIENCES  
*Bachelor of Arts in Music, summa cum laude*  
*Completed January 2014 – GPA 3.782/4.00*  
*Honors Thesis: “An Implementation of Google Glass in the Context of John Corigliano’s Gazebo Dances”*

## Conducting, Teaching, Performance, and Other Experience

### The University of Georgia – Hugh Hodgson School of Music

#### Conducting

*Hodgson Wind Ensemble, UGA Wind Symphony, and UGA Symphonic Band – Teaching Assistant*

Assists in ensemble management, conducts works in rehearsal and concert, serves as a substitute conductor in the event of the director’s absence, authors program notes, records attendance, serves as the liaison with the Performing Arts Center staff, and completes other duties as requested by the director.

*UGA University Band – Instructor of Record and Director*

Serves as the conductor of the 80-member UGA University Band. Programs repertoire, manages auditions for chair placement, records grades, and completes all other responsibilities of running a university ensemble and undergraduate-level course.

*University of Georgia Redcoat Marching Band – Staff Member*

Attends all rehearsals, home games, and selected away games; authors and sets drill, assists in teaching marching fundamentals, serves as a sectional coach, records attendance, and completes all other duties as requested by the directors of the 450-member Redcoat Marching Band.

*University of Georgia Volleyball Band – Graduate Assistant*

Supervises the student band captains and conducts in their absence, assists in running preseason rehearsals, corresponds with UGA Athletic Association staff members before and the during games to coordinate when to perform, logs attendance, and completes other duties as requested by the Associate Director of Athletic Bands.

*University of Georgia Contemporary Chamber Ensemble – Guest Conductor*

Serves as a guest and substitute conductor for UGA’s premiere new music ensemble.

## Teaching

### *Music 5270/7270: Advanced Conducting – Teaching Assistant*

Assists in instruction, provides feedback to students while on the podium, holds office hours, records attendance, and completes other duties as requested by the instructor.

### *Private Conducting Lessons*

Teaches private lessons to undergraduate music majors in score study, wind literature, baton technique, and movement.

## Administration

### *Website Management and Software Development*

Designing and implementing the migration from an in-house Apple Xserve to a Linux-based cloud platform for the UGA Bands and Wind Ensembles. Currently rewriting Filemaker-based applications in Laravel, a PHP-based framework. Data-driven applications consist of a concert library, a personnel manager for the 450-member Redcoat Marching Band, instrument inventory tools, and a web application to manage data for the Middle and High School Band Festivals. Supervising an undergraduate student who is assisting with these programming projects.

## Cornell University – College of Arts and Sciences

### Conducting

#### *Cornell University Wind Symphony – Teaching Assistant*

Assisted in ensemble management, served as a rehearsal and sectional coach, authored program notes, and completed other duties as requested by the Director of Wind Ensembles for the 60-member Wind Symphony. Completed advanced studies in conducting and score study; conducted works in each concert.

#### *Cornell University Commencement Wind Ensemble*

Assisted in ensemble management, managed payroll for 45 musicians, and logistics during the University Convocation, Ph.D. Hooding Ceremony, and Commencement. Conducted works during each event, with 35,000 to 40,000 people in attendance.

#### *Melodramatics Theatre Company – Pit Orchestra Director*

Conducted all rehearsals (including those with the cast), auditioned musicians, managed budget, and served as a liaison between staff and instrumentalists. Productions Included: *Sweeney Todd: The Demon Barber of Fleet Street*, *The 25<sup>th</sup> Annual Putnam County Spelling Bee*, *bare: A Pop Opera*, *Spring Awakening*, *Rent*, *Little Women: The Musical*, and *Dirty Rotten Scoundrels*.

#### *Flexible Theatre Company – Pit Orchestra Director*

Directed the pit orchestra for Cornell University's main stage musical, Stephen Sondheim's *Company*.

#### *CU Winds Chamber Dectet*

Assembled and conducted a chamber dectet for CU Winds's spring banquet.

## Teaching

### *Music 3121: Conducting – Teaching Assistant*

Assisted in lectures, provided feedback during class, and assessed student progress during exams. Taught a guest lecture on score study with an emphasis on wind repertoire.

*Charles O. Dickerson High School in Trumansburg, New York – Teacher’s Assistant to the Director of Bands*  
Taught Advanced Placement Music Theory and assisted with concert band, jazz band, guitar, and woodwind lessons on a weekly basis in cooperation with EDUC 2410: The Art of Teaching.

*Computer Science 1300: Introduction to Web Design and Programming – Teaching Assistant*  
Graded homework, led weekly office hours, answered questions on a class forum, assisted in course administration, and taught a guest lecture on consuming APIs in PHP.

*Cornell Piano Society*  
Taught beginning piano and music theory to Cornell students.

## Performance

*Cornell University Wind Ensemble*  
Student tour leader for the biennial service and performance tour of Costa Rica and Panama in January 2014, Washington, D.C. in January 2013, and Costa Rica in January 2012.

*Private lessons on clarinet and bass clarinet*  
Studied with Lenora Schneller, Cornell University Instructor of Clarinet. Participated in a bass clarinet masterclass with the bass clarinet duo *Sqwonk*.

*Other performances included concerts with the Cornell Symphony Orchestra, small chamber ensembles, and solo performances.*

## Thesis Summary

Worked with Google Glass in rehearsal and performance contexts. Programming applications were focused on John Corigliano’s *Gazebo Dances* for Band; the work was conducted in concert on November 22<sup>nd</sup>, 2013. Applications (“Glassware”) developed (or ported) included a metronome, an application for the audience to view the conductor’s perspective of the ensemble, and a miniature score viewer, allowing the conductor constant eye-contact with the ensemble while viewing the score peripherally. The final thesis included background information of the work, rehearsal and performance considerations, an errata list, and other texts about *Gazebo Dances*. It also discussed programming considerations for Google Glass, and ideas about extending its use in other aspects of conducting and music.

## Research Publications, Presentations, Grants, and Citations

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| 2015 | WASBE: WORLD ASSOCIATION OF SYMPHONIC BANDS AND ENSEMBLES<br><i>“An Introduction to Using Google Glass in the Rehearsal and Conducting Lab”</i>                         |
| 2014 | UNIVERSITY OF GEORGIA IDEA LAB MINI GRANT<br><i>“Building the 21<sup>st</sup> Century Digital Conductor’s Musical Stand”</i>  |
| 2014 | FINALIST FOR THE UNIVERSITY OF GEORGIA SPOTLIGHT ON SCHOLARSHIP RESEARCH COMPETITION<br><i>“Building the 21<sup>st</sup> Century Digital Conductor’s Musical Stand”</i> |
| 2014 | CBDNA: ITHACA COLLEGE CONFERENCE ON INSTRUMENTAL MUSIC EDUCATION<br><i>“An Introduction to Using Google Glass in the Rehearsal and Conducting Lab”</i>                  |
| 2014 | PAPER CITATION BY THOMAS RHODES & SAMUEL ALLEN, CARNEGIE MELLON UNIVERSITY<br><i>“Performing Arts in the Wearable Age”</i>  |

- 2014 PRESENTATION CITATION AT THE NATIONAL ENDOWMENT FOR THE ARTS BY HAYES RAFFLE, GOOGLE  
*"Technologies for Creative Expression"*
- 2014 CORNELL UNIVERSITY UNDERGRADUATE THESIS  
*"An Implementation of Google Glass in the Context of John Corigliano's Gazebo Dances"*
- 2014 PRESENTATION CITATION AT THE WORLD ARTS SUMMIT BY HAYES RAFFLE, GOOGLE  
*"Technologies for Creative Expression"*
- 2013 THE MIDWEST CLINIC  
*"An Introduction to Using Google Glass in the Rehearsal and Conducting Lab"*
- 2013 JANET'S JAUNT, A CORNELL UNIVERSITY DISCUSSION AND PRESENTATION SERIES  
*"Implications of Google Glass in Music Today"*
- 2013 CONSORTIUM OF COLLEGE AND UNIVERSITY MEDIA CENTERS: DONALD A. RIECK RESEARCH GRANT  
*"Wearable Hands-Free Technology: Evolving Higher Education in the 21st Century"*  
*Cynthia Johnston Turner, PI & Tyler Ehrlich, Co-PI*

## Conducting Education

- 2015 UNIVERSITY OF CINCINNATI COLLEGE-CONSERVATORY OF MUSIC CONDUCTING WORKSHOP  
*Conducting Participant — Jerry Junkin and Glenn Price, Clinicians*
- 2014 MUSIC 8000: PRACTICUM IN CONDUCTING  
*Professor Cynthia Johnston Turner, Director of Bands at The University of Georgia*
- 2014 INDEPENDENT STUDY IN WIND REPERTOIRE  
*Professor Jaclyn Hartenberger, Associate Director of Bands at The University of Georgia*
- 2014 ITHACA INTERNATIONAL CONDUCTING MASTERCLASS  
*Auditor — Carl St. Clair, Clinician*
- 2014 MUSIC 4121: ADVANCED CONDUCTING  
*Professor Chris Younghoon Kim, Director of Orchestras at Cornell University*  
Intended to give students more experience with score study, rehearsal techniques and conducting vocabulary through weekly podium time and class discussion. Advanced conducting will continue topics covered in Conducting (3121). Ear training in the context of being able to hear the score will be an integral part of the course. Beat patterns and gestural vocabulary will be assumed and students will explore conducting in the orchestral, band, choral and mixed media. *(From the 2013-14 Cornell Course Catalog)*
- 2012-13 MUSIC 4901: INDEPENDENT STUDY, PRACTICUM IN WIND CONDUCTING  
*Professor Cynthia Johnston Turner, Previous Director of Wind Ensembles at Cornell University*  
An in-depth exercise in the activities of a wind ensemble director. Assisted in running the 60-member Cornell University Wind Symphony, attended and conducted during the biweekly rehearsals. Weekly independent meetings focused on in-depth score study techniques, advanced baton work, concert programming, and administrative duties. Conducting works in rehearsal and concert.
- 2013 MUSIC EDUCATION 40200: ADVANCED INSTRUMENTAL CONDUCTING AT ITHACA COLLEGE  
*Professor Stephen Peterson, Director of Bands at Ithaca College*  
Studies and practices aimed toward improved clarity of basic stick technique through the use

of unequal motions (rhythmic and melodic). Practical exploration of rehearsal techniques, with an emphasis placed on clarity and efficiency in solving problems of balance, ensemble, intonation, and phrasing. (*From the 2012-13 IC Course Catalog*)

- 2012 PRIVATE CONDUCTING LESSONS  
*Professor Chris Younghoon Kim, Director of Orchestras at Cornell University*  
Advanced ear training, gestures, and score reading.
- 2012 MONTCLAIR STATE UNIVERSITY WEEKEND WIND CONDUCTING SYMPOSIUM  
*Conducting Participant — Allan McMurray and Thomas McCauley, Clinicians*
- 2012 UNIVERSITY OF MICHIGAN BAND CONDUCTING AND PEDAGOGY SYMPOSIUM  
*Conducting Participant — Michael Haithcock, Rodney Dorsey, Jerry Schwiebert, John Pasquale, and Scott Boerma, Clinicians*
- 2012 MUSIC EDUCATORS OF BERGEN COUNTY, INC WIND CONDUCTING SYMPOSIUM  
*Wind Ensemble Performer — Mallory Thompson, Clinician*
- 2011 MUSIC 4121: CONDUCTING  
*Professor Cynthia Johnston Turner, Previous Director of Wind Ensembles at Cornell University*  
Fundamentals of score reading, score analysis, rehearsal procedures, and conducting technique; instrumental and choral contexts. (*From the 2011-12 Cornell Course Catalog*)
- 2009-10 PRIVATE CONDUCTING LESSONS  
*Gregory Mulford, Director of Bands at the Roy W. Brown School in Bergenfield, New Jersey*  
An introduction to baton movement, rehearsal technique, and gestures.

## Employment

- 2014- THE UNIVERSITY OF GEORGIA HUGH HODGSON SCHOOL OF MUSIC  
*Research Associate, Hodgson Google Glass Lab*  
Funded by a grant from the Consortium of College and University Media Centers, develops “Glassware” applications for Google Glass for music performance and pedagogy. Supervises undergraduate research assistants.
- 2014- THE UNIVERSITY OF GEORGIA HUGH HODGSON SCHOOL OF MUSIC  
*Graduate Teaching Assistant*  
(Responsibilities listed above.)
- 2014 CORNELL UNIVERSITY DEPARTMENT OF MUSIC  
*Research Associate, Integrating Google Glass with Music Performance*  
Developed “Glassware” to successfully integrate Google Glass with music performance. Applications further those developed during the *Gazebo Dances* honors project: a more robust score viewer, photo streaming tool, metronome, and a reverse metronome. Tools utilize both the web-based Mirror API (Python and Google App Engine) and the Glass Development Kit.
- 2013 CORNELL UNIVERSITY DEPARTMENT OF COMPUTER SCIENCE  
*Teaching Assistant, Introduction to Web Design and Programming*  
(Responsibilities listed above.)
- 2013 BLUE LAKE FINE ARTS CAMP – TWIN LAKE, MICHIGAN  
*Cabin Counselor, Music Theory Assistant*  
Lived with and directly cared for 44 campers in total (11 per session), ages 12-16, for nine weeks. Played principal bass clarinet in three ensembles (staff band, faculty band, and faculty

orchestra) and assisted in all aspects of the music theory program: proctored the placement exam, taught ear training to dozens of students, and taught private and group lessons in classical and basic jazz theory. Provided piano accompaniment for the Staff Showcase. Assisted in the arranging, accompanying, and teaching of 66 campers for each session's All-Camp Sing.

- 2012-13 CORNELL UNIVERSITY DEPARTMENT OF MUSIC  
*Webmaster, cuwinds.com*  
 Managed CU Winds's domain, built on Wordpress. Designed and implemented a library database that utilizes Cornell's Shibboleth authentication protocol. Implemented Google Apps for email and mailing list services. Administered Ubuntu Virtual Private Server.
- 2012-13 CORNELL UNIVERSITY LAB OF ORNITHOLOGY  
*Web Programming Intern*  
 Designed a mobile bird song player for Android that integrates with private .NET and Java web services and Google's Geocoding API.
- 2010-12 CORNELL INFORMATION TECHNOLOGIES  
*HelpDesk Supervisor, Application Developer*  
 Supervised 20 student consultants. Maintained in-house student management system (used for employee records, scheduling, hiring, and Active Directory permit administration) and a Wordpress and Wiki deployment. Provided frontline support of technology services (including Exchange and Google Apps, Lyris List Manager, Network Identities, Active Directory, and more) for students, faculty, staff, and alumni at Cornell University.
- 2009-10 MUSIC AND ARTS CENTER – PARAMUS, NEW JERSEY  
*Part-Time Sales*  
 Sold instruments, accessories, and sheet music. Facilitated instrument rentals. Second-highest selling part-time salesperson.

## Professional Activities, Honors, Awards, and Affiliations

- 2014 Judge for the Sigma Alpha Iota Erica Stoffel-Murray Scholarship
- 2013- College Band Directors National Association (Student Membership)
- 2013 Cornell University Honors, *summa cum laude*
- 2013 Cornell University Department of Music John James Blackmore Prize
- 2012-14 Member of the National Society of Collegiate Scholars (Offered to the top 20% of each Cornell class)
- 2011-13 Cornell University Dean's List
- 2011-12 Member of Cornell University's Committee on Information and Technologies
- 2010 Eagle Scout Recipient
- 2010 The William C. Brudnick Community Service Award (Temple Shalom – River Edge, NJ)
- 2010 Advanced Placement Scholar with Honors
- 2010 Paramus High School Graduation Speaker on Achievement (Nominated by faculty, decided by graduates)
- 2010 Xerox Award for Innovation and Information Technology

2010	Paramus High School “Outstanding” Award in Music (Given to one student per year)
2010	Paramus High School Louis Armstrong Jazz Award (Given to one student per year)
2010	Bergen County Counselors’ Caring Award Recipient
2009	New Jersey Governor’s School Finalist
2009	RYLA Service Finalist
2009	Boys State Finalist

## **Repertoire and References**

Available upon request.