

EDUCATION

- University of California, Berkeley: Ph.D. in Music Composition with a Designated Emphasis in New Media (2018)
- University of California, Berkeley: M.A. in Music Composition (2014)
- Columbia University: B.A. in Music and Biology (2010)
- Royal College of Music in London: Exchange Program in Music Composition (2008)
- Composition Instructors (long term):
Justin Dello Joio, Tristan Murail, Myra Melford, Edmund Campion, Cindy Cox
- Composition Instructors (short term):
Mark Andre, Joanna Baile, Franck Bedrossian, Lisa Bielawa, Derek Bermel, Elvind Buene, Raphael Cendo, Sebastien Currier, Brian Ferneyhough, Luca Francesconi, Howard Frazin, David Ludwig, Misato Mochizuki, Mika Pelo, Bernard Rands, Kaija Saariaho, Oliver Schneller, Simon Steen-Anderson, Augusta Reed Thomas, Stewart Wallace, Ken Ueno, Nils Vigeland, Huw Watkins, Yehudi Wyner

TEACHING EXPERIENCE

Molloy College, 2019 – Present

- COMPUTER MUSIC WRITING (1140)
Teaches undergraduate music majors to use the notation software Sibelius through projects involving arrangement pieces of various genres for different instrumental forces.
- INTRODUCTION TO DIGITAL AUDIO (1610)
Introduces students from all backgrounds to recording/ production studios, focusing on the use of Logic Studio. Students create a portfolio of original projects.
- AUDIO TECHNOLOGY II (2460)
An advanced undergraduate music major courses that further develops students' use of Logic Studio and introduces them to Ableton Live and Push, culminating in class-organized performance.
- ORCHESTRATION (2160)
Introduces advanced undergraduate music students to arranging and scoring for chamber ensembles, band and orchestra. Students learn about voicing, voice leading, considerations of balance and texture, and expansion from and reduction to piano.

Columbia University, 2018 – Present

- UNDERGRADUATE RESEARCH PROJECTS
Direct research projects for 8 undergraduates in Darcy Kelley's laboratory. Supervise and design experiments, lead journal club seminars, and coach students on their research reports, posters and presentations.

Robofun Vision Education & Media, 2018 – 2019

- SCRATCH VIDEO PROGRAMMING
Taught seven classes of 2nd- 8th grade students coding skills using MIT Media Labs Scratch Video technology
- LEGO ROBOTICS
Taught two classes of K- 2nd grade students coding skills using MIT Media Labs LEGO programming tools

University of California, Berkeley, 2012 – 2016

- MUSIC NOW (Spring 2016)
Graduate Student Assistant for Prof. Edmund Campion. Taught three weekly computer laboratory sections using Max/MSP interactive tools, and gave a guest lecture on Neuroscience & Music.
- BASIC MUSICIANSHIP (Spring 2015)
Developed original content for a 30-person course for undergraduates from all majors
- UNIVERSITY CHORUS (Fall 2013 and Spring 2014)
Assistant Director to Marika Kuzma for a 90-person choir; Conducted rehearsals and coachings

- THEATRE DANCE PERFORMANCE STUDIES COURSE (Fall 2012)
Collaborated with two graduate students from the TDPS Department to develop an original theater work with a group of 10 undergraduate students.

INVITED LECTURES

- Columbia University Computer Music Center: “Music, Math & Mind” Graduate Seminar (2018)
Guest lecture on the perception of music by animals, focusing on my research in *Xenopus laevis*
- Columbia University: Symposium on Transducer-based Music & Sonic Art (2017)
Presented my installation work “Contemporary Counterpoint” developed in collaboration with artist Amy Kang
- UC Berkeley Advanced Composition Undergraduate Seminar (2016)
Lecture on theatricality and dramatic structure in music
- Stanford University, Graduate Composition Seminar (2016)
Lecture on my music and installation work

RESEARCH & WORK EXPERIENCE

- Researcher for the Columbia University Center for Neuroscience and Society (2019 – Present)
Conduct independent research on a music-generating interface with an electromyography (EMG) sensor developed by the NYC-based tech company CTRL-Labs
- Research Associate at Columbia University in Prof. Darcy Kelley’s laboratory (2018 – Present)
Research the genetics underlying vocal communication in *Xenopus laevis*, supervise undergraduate research
- Robofun/ Vision Education & Media: Instructor, Part-Time (2018 – 2019)
Taught robotics and coding skills to students (K-8th grade) using MIT Media Lab technologies
- UC Berkeley: Mechanical Engineering Department/ Rosenman Institute/ UCSF collaboration, 2016
Collaborated with clinicians at UCSF to develop a Raspberry Pi audio/ visual playback device that can be triggered by a patient-controlled analgesia (PCA) pump.
- UC Berkeley: Center for New Music & Audio Technologies (2012 – 2016)
Developed interactive software for performance, integrated audio spatialization tools from the Institut de Recherche et Coordination (IRCAM), and researched sound production using non-traditional transduction media.
- TREK Therapeutics: Operations & Development Manager, Part-Time (2015 – 2018)
Researched technologies and funding opportunities and assisted with web design and database management
- Columbia University: Laboratory Manager & Research Associate (2010 – 2012)
Discovered that the mating calls of male *Xenopus* contain harmonic dyads which map to their phylogeny; performed experiments using laser vibrometry and AEP’s (Auditory Evoked Potentials)

PUBLICATIONS

- **Kwong-Brown, U.**, Tobias, M.L., Elias, D.O., Hall, I.C., Elemans, C.P.H, & Kelley, D.B. (2018). The return to water in ancestral *Xenopus* was accompanied by a novel mechanism for producing and shaping vocal signals. *eLife*, 7:e39946. DOI: <https://doi.org/10.7554/eLife.39946>
- Hall, I., **Kwong-Brown, U.**, Woolley, S.M.N., & Kelley, D.B. (2015). Sex differences and endocrine regulation of auditory-evoked, neural responses in African clawed frogs (*Xenopus*). *Journal of Comparative Physiology. A, Neuroethology, sensory, neural and behavioral physiology*, 202(1), 17-34.

AWARDS / HONORS / FELLOWSHIPS

- New York Composers Circle, Honorable Mention, 2019: ***Unwinding II***
- National Association of Composers/USA Young Composers Competition, 2nd Prize, 2019: ***Reflections on Rothko***
- Juventas Ensemble, Winner of Call-for-Scores, 2019: ***Cover the Walls***
- Pacific Chorale, Winner of Commission for Choral Sketches, 2018
- Ipse Ensemble, Winner of Call-for-Scores, 2018: ***Emerald Meditations***
- American Composer's Orchestra EarShot Readings, 2018: ***Night & Day***
- Berkeley Symphony Composer Fellowship supported by New Music USA's Music Alive Program, 2017-2019
- San Francisco Friends of Contemporary Music commissioning grant, 2017
- National Association of Composers/USA Young Composers Competition, 3rd Prize, 2017: ***Unwinding II***
- UC Berkeley George Ladd Prix de Paris Fellowship, 2016-17
- Charles Ives Concert Series, Winner of Call-for-Scores, 2017: ***Unwinding II***
- Composers, Inc. Matthew Paul Finnegan Commissioning Prize, 2016
- New Music for Strings Festival Fellowship, 2016: ***Emerald Meditations***
- UC Berkeley Nicola de Lorenzo Composition Prize, 2016: ***Unwinding***
- BMM Composers, Inc. Competition, 2015: ***Sonnet XX***
- Bowdoin International Music Festival Composition Competition, 2014: ***Sonnet XX***
- Mellon-Berkeley Fellowship for Graduate Study, 2012-2018
- Selected Participant in the Kaija Saariaho and Anssi Karttunen Workshop at Carnegie Hall, 2011
- Director's Prize for the Longfellow Chorus Solo Song Competition, 2011: ***The Day is Done***
- Columbia University Sudler Arts Prize, 2010
- New York Composers Circle, Honorable Mention, 2010: ***Sapphic Songs***
- Columbia University Dolan Prize, 2009
- Morton Gould Young Composer Awards, Honorable Mention, 2009: ***cross-fade***
- Chicago Ensemble Discover America Composer Award, 2007: ***La Poesía***

FESTIVALS & RESIDENCIES

- South Korean International Gugak Festival – Seoul, 2019
- Women Composers Festival of Hartford – Connecticut, 2018
- NYU/ASCAP Foundation Film Scoring Workshop – New York, 2017
- Trombone International Festival – Redlands, California, 2017
- New Music for Strings – Aarhus, Denmark, 2016
- Atlantic Center for the Arts Residency with Myra Melford – Florida, 2016
- Atlantic Center for the Arts Residency with Stewart Wallace – Florida, 2015
- Florida State University New Music Festival, 2015
- Donaueschingen New Music Festival – Germany, 2014

- Darmstadt New Music Festival – Germany, 2014
- Etchings New Music Festival – Auvillar, France, 2014
- Atlantic New Music Festival – Colby College, Maine, 2013
- June in Buffalo Festival – New York, 2013
- Acanthes New Technologies Workshop – IRCAM, Paris, 2012

SERVICE & ARTS ADMINISTRATION

- Composers, Inc.: Artistic Director, 2017-Present
- UC Berkeley: Music Department Graduate Assembly Delegate, 2015-2016
- UC Berkeley: Mentor for Women of Wikipedia (2015)
- Columbia University New Music Group: variously President, Vice-President & Treasurer, 2005-2010

PROFESSIONAL AFFILIATIONS

- ACF – American Composers Forum
- ASCAP – American Society of Composers, Authors, and Publishers
- IAWM – International Alliance for Women in Music

SOFTWARE PROFICIENCY

- Audio: Adobe Audition, Logic Pro, Max/MSP, QLab, SPEAR
- Video: Adobe Premiere, Final Cut Pro, Isadora, Jitter
- Research & Design: Adobe InDesign, Adobe Illustrator, Adobe Photoshop, MATLAB, Prism