

John Burnett

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<http://johncburnett.com> • San Diego, CA

Education

University of California, San Diego, La Jolla, CA Doctor of Philosophy in Music, anticipated 2021 Emphasis in Music Composition and Computer Music	2018 – Present
University of California, San Diego, La Jolla, CA Master of Arts in Music Emphasis in Music Composition and Computer Music	2016 – 2019
Oberlin Conservatory, Oberlin, OH Bachelor of Music Major in Music Composition Minor in Technology in Music and Related Arts (TIMARA) Conservatory Dean's Scholar, Lucy L. Lewis Scholar	2012 – 2016

Advisors

Katharina Rosenberger, UC San Diego	2017 – Present
Shahrokh Yadegari, UC San Diego	2017 – Present
Aaron Helgeson, Oberlin Conservatory	2014 – 2016
Josh Levine, Oberlin Conservatory	2012 – 2014

Additional Studies

Computer Science at Oberlin College Courses in object-oriented programming, data structures, computer graphics, systems programming, and computer architecture.	2013 – 2016
ManiFeste 2014, l'Academie at IRCAM Courses in computer music, computer-aided composition, and IRCAM software.	2014

Professional Experience

University of California, San Diego – Qualcomm Institute Research Assistant Research in audio spatialization for real-time and virtual reality applications. Develops algorithms for spatialization and physical modeling as well as plugins/externals for software such as Unity and Max/MSP. Research led by Shahrokh Yadegari.	2017 – Present
University of California, San Diego – Qualcomm Institute IDEAS Series Technical Coordinator Co-coordinator and technical adviser for the IDEAS series at the Qualcomm Institute, which hosts residencies for the development of multimedia works.	2017 – Present

Schott Music New York 2017 – 2018
Copyist

Engraving and formatting of musical scores for publishing.

Oberlin Conservatory 2015 – 2016
Research Assistant

Research in computer-aided composition and formalized music, development of software tools for generative score creation. Research led by Aaron Helgeson.

Syndicate for the New Arts 2015 – 2016
Director of Technology, Concert Coordinator, Teacher

Co-coordinator of concerts, director of technology, and music teacher for non-profit new music organization based in Cleveland, OH.

Oberlin Conservatory Audio Department 2014 – 2016
Recording Engineer, Supervisor

Recording, live sound, and broadcast engineer for Oberlin Conservatory productions.

Silent Film Ensemble 2012 – 2016
Performer, Coordinator

Music ensemble focusing on improvisation over silent films. Held regular performances at the Apollo Theater in Oberlin, OH.

Teaching Experience

UC San Diego 2016 – Present
Teaching Assistant

Teaching assistant for undergraduate music courses at UC San Diego. Teaches and moderates weekly sections in addition to grading assignments and exams.

Syndicate for The New Arts 2016
Workshop Instructor

Crafted workshops that exposed electronic and experimental music to Cleveland inner-city youth. These workshops were held at each of the branches of the Cleveland public library. Also helped instruct workshops on graphic scores, text scores, and conducting.

Oberlin Conservatory 2014 – 2016
Secondary Composition Teacher

Composition instructor for non-majors at Oberlin College and Conservatory and community members in Oberlin, Ohio.

Residencies

Qualcomm Institute IDEAS Performance Series 2019

Banff Centre 2014

Conferences + Festivals

Ferus Festival	2019
Projection design for the work <i>FOLDS</i> , composed by Katharina Rosenberger and performed by Miranda Cuckson. Presented at National Sawdust in Brooklyn, New York.	
Sonic Fluidities Conference	2018
Presentation of the installation <i>Splay</i> at UC San Diego.	
Without Walls Festival (WOW)	2017
Three-day presentation of the immersive audio installation <i>And Then You Wait...</i> at Bread & Salt in San Diego. Produced by the La Jolla Playhouse.	
Sound in Music and Computing (SMC)	2017
Presentation of the work <i>fracture</i> at Aalto University in Helsinki, Finland.	
California Electronic Music Exchange Concert (CEMEC)	2017
Presentation of the work <i>shards</i> at California Institute for the Arts and Mills College.	
Pittsburgh Festival of New Music – Soundpike	2016
Performance of the work <i>no environment, no entity</i> .	
National Student Electronic Music Event (N_SEME)	2015
Performance of the work <i>Astria</i> at Bowling Green State University.	
Synaesthesia Symposium	2015
Presentation of the work <i>pseudosphere</i> at Oberlin College.	

Coursework

UC San Diego

Sound Installation Art • Digital Signal Processing • Musical Cognitive Science
Algorithmic Composition • Embedded Audio Programming • Conducting

Oberlin Conservatory

Spectral Music • Experimental Music • Algorithmic Composition
Digital Signal Processing • Studio Recording

Technical Skills

Areas

Sound Design, Video Design, Digital Signal Processing, Digital Audio, Sound Spatialization, Computer Graphics, Virtual Reality, Embedded Programming, Sensors.

Programming Languages + Environments

C/C++, C#, Python, Haskell, Unix, OpenGL/GLSL, SuperCollider, Arduino, Matlab.

Audio Software

SuperCollider, Max/MSP+Jitter, Pure Data, REAPER, ProTools, IRCAM Suite.

Video/Graphics Software

TouchDesigner, VDMX5, openFrameworks, Unity, Blender, Adobe Premiere.

Awards

Walter E Aschaffenburg Prize in Music Composition	2016
Oberlin College XARTS Award	2016
Oberlin Conservatory Dean's Scholarship	2012
Oberlin College Lucy L Lewis Scholarship	2012

Selected Works

Virtualized Ecology // Prophylaxis // New Discipline	2019
Spatial Audio Installations	
San Diego Art Institute, San Diego, CA, Winter 2020	
Sound installations made for SDAI's <i>Illumination</i> exhibition.	
Electric Fields	2019
Audiovisual Installation	
Role: Projection Design, Installation Design, and Sound Spatialization	
Gallery@Calit2, San Diego, CA, Spring 2019	
Collaboration with Katharina Rosenberger and Alexander Khalil.	
Molten Landscape	2019
Audiovisual Media and Dance	
Role: Concept, Projection Design, Sound Design	
Theater at the Qualcomm Institute, San Diego, CA, Spring 2019	
Presented as part of the IDEAS series at the Qualcomm Institute.	
Folds	2019
Multimedia Performance for Solo Violin, Electronic Sound and Projections	
Role: Projection Design	
National Sawdust, Brooklyn, NY, Winter 2019	
Presented as part of the Ferus Festival. Collaboration with Katharina Rosenberger and Miranda Cuckson.	
Orogeny	2019
Audiovisual Media and Dance	
Role: Concept and Projection Design	
Theater at the Qualcomm Institute, San Diego, CA, Winter 2019	
Presented as part of the IDEAS series at the Qualcomm Institute.	
Pressure Field: Calzada	2018
Sound Installation	
Gallery@Calit2, San Diego, CA, Fall 2018	
Collaboration with the art collective AUDINT.	

- Splay** 2018
 Audiovisual Installation
 UC San Diego, Winter 2018
 Shown at the Sonic Fluidities Conference hosted by UC San Diego.
- Before the horses crash into the ground, and then the ground...** 2017
 Theatrical Dance and Music Performance
 Role: Co-Creator, Sound and Projection Design
 Potiker Theater at the La Jolla Playhouse, Fall 2017
 Collaboration with Veronica Santiago Moniello, Ben Rempel, and Barbara Byers.
- assemblage** 2017
 Four Musicians, Live Electronics, and Projections
 Role: Composition, Sound and Video Design
 UC San Diego Concert Hall, Fall 2017
 Performed by Madison Greenstone, Michael Matsuno, Kyle Blair, and Ben Rempel.
- And Then You Wait...** 2017
 Theatrical Sound Installation
 Role: Co-Creator, Sound Design
 Without Walls Festival – Bread & Salt, Summer 2017
 Collaboration with Lilly Padilla and Dylan Key.
- fracture** 2017
 Audiovisual Installation
 Aalto University, Summer 2017
 Premiered at the Science in Music and Computing conference in Helsinki, Finland.
 Collaboration with Sage Jenson and funded by the Oberlin College XARTS Award.
- shards** 2016
 Fixed Sound and Video
 Role: Sound Design
 Oberlin Conservatory, Spring 2016
 Premiered in senior composition recital. Collaboration with Sage Jenson.
- California Institute for the Arts, Spring 2017
 Shown as part of California Electronic Music Exchange Concert.
- Mills College, Spring 2017
 Shown as part of the California Electronic Music Exchange Concert.

Links

Personal Website <http://johncburnett.com>
 Music <https://soundcloud.com/johncburnett>
 Code <https://github.com/johncburnett>