

# Raul Altosaar

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<http://raul.earth/>

## Education

- 2019-2021 **MA, Music, Science, and Technology.** Advisor: [Ge Wang](#)  
Center for Computer Research in Music and Acoustics  
Stanford University, California
- 2015-2019 **BFA, Integrated Media.** Advisors: [Adam Tindale](#), [Judith Doyle](#)  
Ontario College of Art and Design (OCAD) University, Toronto, Canada

## Awards & Fellowships

- 2019 The Stanford University Denning Family Fellowship for the Arts  
2019 OCAD University Medal for Best Thesis in Program  
2019 Alfred T. Vivash Bursary for International Graduate Studies  
2016 W.P. Drysdale Scholarship for highest GPA in Program

## Research Experience

- 2018-2019 **Advisor:** [Adam Tindale](#)  
OCAD University
- *Prototyped and developed [a VR musical interface](#) for live performance*
  - *Experience with C#, Unity, designing multisensory & headset-less VR interactions*
  - *Performed final work at international conferences, festivals, and galleries*
- 2018-2019 **Advisor:** [Judith Doyle](#)  
Social Media and Collaboration Lab, OCAD University
- *Designed levels and user interactions for presentation of [animated point clouds in VR](#)*
  - *Experience with Unreal Engine, volumetric video capture, conversion of depth data*
  - *Organized workshops at ISEA2019 in Seoul and at the Athens School of Fine Art*
- 2017 **Advisor:** [Michael Page](#)  
OCAD University
- *Applied computer vision to create [a liquefied VR environment](#)*
  - *Experience with Unreal Engine, photogrammetry, 3D modelling*
  - *Exhibited as an installation at an international conference, festival, and art fair*

## Conference Papers

- 2019 R. Altosaar, A. Tindale, J. Doyle. "[Physically Colliding with Music: Full-body Interactions with an Audio-only Virtual Reality Interface](#)". In Proceedings of the Thirteenth International Conference on Tangible, Embedded, and Embodied Interaction.

## Performances

- 2019 [Currents New Media Festival](#), Santa Fe, New Mexico
- 2019 [OCAD University's 104th Annual Graduate Exhibition](#), Toronto, Canada
- 2019 [Tempe Centre for the Arts](#), Tempe, Arizona
- 2019 [Electric Perfume](#), Toronto, Canada
- 2018 [Music in New Technologies Conference](#), Halifax, Canada
- 2018 [Intergalactic Travel Authority](#), Toronto, Canada

## Selected Exhibitions

- 2019 [Snapdragon](#), Underground Flower, Ho Chi Minh City, Vietnam
- 2018 [Multiple Contingencies](#), 32nd Meeting of the Society for Literature, Science, and the Arts, Toronto, Canada
- 2018 [First Workshop on Computer Vision for Fashion, Art, and Design](#), European Conference on Computer Vision, Munich, Germany
- 2018 [Multisensory Exposition](#), Third Conference of the International Association for Cognitive Semiotics, Toronto, Canada
- 2018 [The 5th Life, Art, Science, and Technology Festival](#), Stanford University, Stanford, California
- 2018 [Tech Art Fair](#), Ontario Science Centre, Toronto, Canada
- 2017 [Fantasy Direct: LARP for The Wrong New Digital Art Biennale](#), Seoul, Korea
- 2017 [Burned Forest Black Metal](#), Mosor, Croatia
- 2017 [Talk Show](#), Olly Olly, Washington D.C
- 2017 [Life/Death/Life](#), 187 Augusta, Toronto, Canada
- 2016 [Every Day is a Lifetime](#) (solo exhibition), Gärtnergasse, Vienna, Austria

## Selected Press

- 2019 [Raul Altosaar Discusses His Visionary Musical Interfaces](#), Voices.Earth Podcast
- 2019 [Showcasing the Evolution of Technology](#), Albuquerque Journal
- 2019 [The Music of Random Objects](#), Pasatiempo
- 2019 [See the Cutting Edge of Art Right Here in Santa Fe](#), Meow Wolf
- 2018 [Experiencing Human-Computer Interaction](#), Interalia Magazine
- 2018 [SciArt Highlights from Tech Art Fair](#), SciArt Magazine
- 2017 [Fantasy Direct: Group Show at Yongma Charm Space](#), Tzvetznik
- 2017 [Hacking into Taught Identity at Seoul's Yongma Charm Space](#), AQNB

## Work Experience

- 2017 [Qrint Studio Inc.](#) Toronto, Canada  
Internship
  - *Experience with entire 3D modelling & texturing pipeline, 3D printing, 3D scanning*
- 2016-18 [Marmco](#). Toronto, Canada  
Project Manager and Studio Assistant
  - *Project management for four large-scale public artworks*
  - *Experience with architectural visualization, video production, digital compositing*

## Community Involvement

- 2018-2019 **Centre for Emerging Artists and Designers**, OCAD University  
Student Career Ambassador
- *Advised undergraduate students about career paths in art, design, and technology*
  - *Active outreach to students regarding relevant opportunities, calls for submission, etc.*
- 2018 **Unreal Club**, OCAD University  
Co-founder
- *Organized bi-weekly student meetings to discuss AR/VR technologies*
  - *Facilitated skill-sharing and equipment access*
- 2017 **Afterschool Student Organization**, OCAD University  
Co-founder
- *Organized weekly, well-attended discussions with local and international artists*
  - *Curated and organized large-scale exhibitions of student work, often with 70+ participants*
- 2015-2019 **Annual Cold-Water Lake Jump**, OCAD University  
Organizer
- *Organized annual end-of-semester celebration*
  - *Led large expedition from OCAD campus to Lake Ontario to jump into freezing water*