

Raul Altosaar

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<https://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 Scholarship for International Graduate Studies
2016 W.P. Drysdale Scholarship for highest GPA in Program
2015-2019 Dean's Honour List

Research Experience

- 2018-2019 **Independent Thesis Project.**
OCAD University. Advisor: [Adam Tindale](#).
 - Developed [a VR musical interface](#) for live performance
 - Experience with C#, Unity, programming audio, haptic, and spatial interactions
 - Performed final work at international conferences, festivals, and galleries
- 2018-2019 **Research Assistant.**
[SMAC Lab](#), OCAD University. Advisor: [Judith Doyle](#).
 - Developed software and user interactions to display [animated point clouds](#) in VR
 - Experience with C++, Unreal Engine, volumetric video capture, conversion of depth data
 - Organized workshops at ISEA2019 in Seoul and at the Athens School of Fine Art
- 2017 **Independent Project.**
OCAD University. Advisor: [Michael Page](#).
 - Applied computer vision to create [an interactive 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 [CCRMA Transitions Concert](#), Stanford University, California
- 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
- 2017 [Burned Forest Black Metal in Croatia](#), Tzvetznik

Work Experience

2016-18 **Marmco**. Toronto, Canada.

Project Manager.

- *Managed large-scale public artworks from start to finish*
- *Experience with Adobe Suite, Sketchup, supply-chain management, video production*
- *Communicated with engineers, artists, and fabricators to complete projects on time*

2017 **Qrint Studio Inc.** Toronto, Canada.

Internship.

- *Worked on 3D modelling, scanning, texturing, and rendering for VR applications*
- *Experience with Maya, ZBrush, Substance Painter, Rhino, 3D scanning/printing*

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*