Raul Altosaar

raul@ccrma.stanford.edu
https://raul.earth/
https://github.com/raulaltosaar/

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
- *Developed a VR musical interface for live performance*
- *Experience with C#, Unity, programming audio & haptic 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*