Rishi Vanukuru

Immersive Media, Creativity, Collaboration

✉ rishi.vanukuru@colorado.edu
🌐 rishivanukuru.com

Education

ATLAS Institute, University of Colorado Boulder — **2022–**
PhD, Creative Technology & Design

IDC School of Design, IIT Bombay — **2018–2020**
Master of Design, Interaction Design — CGPA: 9.59/10

Indian Institute of Technology Bombay — **2014–2018**
Bachelor of Technology, Civil Engineering, Minor in Design — CGPA: 9.12/10

Experience

Indian Institute of Technology Bombay
Research Associate — *09/2020 - 04/2021*
Project: Supporting Remote Learning with Mobile Augmented Reality — Guide: Dr. Jayesh Pillai

Laval Institute, Arts et Métiers, France
Research Intern — *05/2019 - 07/2019*
Project: Studying Creativity and Design in Virtual Reality — Head: Dr. Simon Richir

Publications

[5] Rishi Vanukuru, Amarnath Murugan, and Jayesh Pillai. 2020. **Dual Phone AR: Exploring the use of Phones as Controllers for Mobile Augmented Reality.** *In 26th ACM Symposium on Virtual Reality Software and Technology (VRST '20).* [Poster]

[4] Rishi Vanukuru, Amarnath Murugan, and Jayesh Pillai. 2020. **Dual Phone AR: Using a Second Phone as a Controller for Mobile Augmented Reality.** *In Adjunct Publication of the 33rd Annual ACM Symposium on User Interface Software and Technology (UIST '20 Adjunct).* [Demo]

[3] Rishi Vanukuru. 2020. **Accessible Spatial Audio Interfaces: A Pilot Study into Screen Readers with Concurrent Speech.** *In Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (CHI EA '20).* [Student Research Competition]

[2] Fleury, S., Agnes, A., Vanukuru, R., Goumillout, E., Delcombel, N., & Richir, S. (2020). **Studying the Effects of Visual Movement on Creativity.** *Thinking Skills and Creativity, 100661.* [Short Article]

[1] Vanukuru, R., & Velaga, N. R. (2018, April). **Multimodal Transportation Network Design Using Physarum Polycephalum-Inspired Multi-agent Computation Methods.** *In International Conference on the Applications of Evolutionary Computation (pp. 105-116).* Springer, Cham. [Paper]

Awards

Institute Silver Medal, IIT Bombay (1st rank in the M.Des program) — *2020*
1st Position, CHI Student Research Competition (Graduate category) — *2020*

Teaching & Service

Teaching Assistant: DE677 - Design for Virtual Reality *(2020)*, DE681 - Design for Immersive Media *(2019)*, CE102 - Engineering Mechanics *(2018)*

Organiser: Lead for Virtual Operations, IndiaHCI 2020

Student Volunteer: UIST 2020, IndiaHCI 2019, TypoDay 2019

Student Mentor: Indian Institute of Technology Bombay, 2016 - 2018

Technical Skills

Programming: C++, C#, R

Web Development: HTML, CSS, Javascript

Software: Unity, Adobe Suite, FL Studio

XR Development: Windows Mixed Reality, HTC Vive, Nreal Light, Google VR, ARCore