

Rishi Vanukuru

Immersive Media, Creativity, Collaboration

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🌐 rishivanukuru.com

Education

ATLAS Institue, 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

Software: Unity, Adobe Suite, FL Studio

Web Development: HTML, CSS, Javascript

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