Previous projects (2023-2025)

2025

👆 Design of a Haptic Model for Simulating Peripheral Vascular Examinations – Ben Smith

👆 Development of a Haptic Training System for Neurological Tremor Simulation – Jim Zhu

🖥 Low-Cost Radiance Fields for Dynamic Scenes – Damani Mguni-Coker

2024

👆 Dermaphone: A Multi-sensory Textbook for Dermatology – Aleera Ewan

🦾 What shape is my robotic snake? – Murilo de Freitas Ferrari

🚫 ASTER: Advanced Technology to Alleviate the Effects of Colour Blindness – Charmaine Louie

🦠 Hyper Localised Environmental Monitoring and Planning for Air Quality – Mahanoor Syed

2023

👓 Adding a Scent Sense to Virtual Reality – Selin Uygun 🏆

👆 Mid-air Surface Rendering for Virtual Objects – Lawrence Castle

👓 VR Sandbox: Creating Shareable, Interactive, Virtual Environments for the Web – Jason Tang

Previous projects (2019-2022)

2022

🚫 An agile electronic guide-stick for the visually impaired – Finlay Goff

🎵 A virtual reality music performance space – Sebastiano Zane

☝ The Air Map: A new electronic touch map for visually impaired people – Simisola Otunla 🏆

2021

🚫 Augmented reality for the visually blind – Emily Mac

🔭 Interactive mapping application for search and rescue – Mark Qi

2020

🚫 Mobility without vision – Archit Sharma

☝ The haptic smartphone case: Enabling visually impaired people to access printed media – Xin Zhou 🏆

❓ Fake or Fraud? A graphical tool for the investigations into likelihood of business fraud – Yiwen Zou

2019

❓ Fact or Fake? - Orion Matthews

☝ Virtual Air Sculpture – Zihan Liu

Previous projects (2015-2018)

2018
🧠 Design for Serendipity – Sharlyn Doshi
👆 The Tactile Mouse: Presenting printed media for blind people – Joshua Brown 🏆

2017
🎶 Mixed reality for piano learning – Max Poynton
👆 Tactile transducer for embedded Braille applications – Minhea Rusu
👆 The sixth sense: Electronically augmented perception – Julia Booth 🏆
🔭 The effectiveness of target highlighting mechanism on urban search – Wuzheng Ma

2016
🔭 Assisting search and rescue through modified video presentation – Nikola Dourtchev 🏆

2015
🧠 Looking Glass: shared interactive workspace for real-time remote collaboration – Buhran Lonue

🦾 Robotics
🥽 Virtual reality
👆 Haptics
🚫 Visual impairment
🐞 Internet of things
🎵 Music technology
🔭 Search and rescue
❓ Business search
🧠 Collaboration
🖥 Computer graphics