Assoc Professor. Thomas Chandler
Department of Human Centred Computing
Email: Tom.Chandler@monash.edu

Biography

My research explores 3D modelling and virtual environments in research visualisation. I have developed a range of interdisciplinary collaborations, primarily in archaeology & history, with the Visualising Angkor Project, but also in Indigenous Studies with the Monash Country Lines Archive, in zoology, with colleagues at La Trobe University, and in ecology, working with CSIRO and the Australian Ecosystems Models Framework.

Working with academic partners, I have developed a suite of four interlinked, practice based units in 3D modelling, 3D animation and virtual world building in the Faculty of Information Technology. Many of my approaches to teaching are informed by my own research into evidenced based historical reconstructions; where virtual reality and 3D simulation technologies are first trialled before being introduced into the teaching curriculum. This nexus between teaching and research has brought about new opportunities in the development of immersive, interdisciplinary teaching materials for humanities undergraduates in Australia and in the United States.

Qualifications

Graduate Certificate in International Urban & Environmental Management, RMIT University
Award Date: 13 Aug 2013

Information Technology, Doctor of Philosophy, Monash University
Award Date: 9 Jun 2011

Fine Arts & Archaeology, Bachelor of Arts (Honours), University of Melbourne
Award Date: 31 Mar 1995

Activities

Virtual Reality Reconstructions of Prehistoric Landscapes in Central Texas
Chandler, T. (Fellow) & Rabinowitz, A. (Supervisor)
6 Jan 2025 → 21 Dec 2025

Director of Work Integrated Learning
Chandler, T. (Speaker)
2025 → …

Major Lead (Games & Immersive Media)
Chandler, T. (Mentor)
2022 → 2025

Deputy Head of Department - Human Centred Computing
Chandler, T. (Facilitator)
10 Jan 2021 → 20 Dec 2022

Director of Education (Department of Human-Centred Computing)
Chandler, T. (Facilitator)
1 Oct 2020 → 20 Dec 2022

Course Director (Bachelor of IT)
Chandler, T. (Facilitator)
31 Jan 2019 → 31 Dec 2021

Major Lead (Interactive Media)
Chandler, T. (Chair/ Co-Chair)
1 Jan 2016 → 1 Jan 2021