Andrew Madl

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_Education

2017

ARCH 598 (MAP/'Thesis'): Will Wright MLA/MARCH (6 credits)
IAR 593 (2nd session): Computational Fluid Dynamics, Urbanism and Computation (3 credits)

2021 SU   Summer Design Camp University of Tennessee Knoxville College of Architecture and Design (Co-taught with Jeremy Magner)

2021 FA   IAR 555 (Design Studio V): Urban Infrastructure (6 credits)
IAR 571 (Seminar): Landform & Hydrology (4 credits)
IAR 580 (MLP/'Thesis Prep'): Marilyn Reish MLA (3 credits)

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Conferences/Talks

2022   University of Tennessee SPARKS Talk: Artificial Intelligence_ Invited Speaker_ "Nuclear Parallels"

2022   CELA Abstract/Poster: 'Artificial Intelligence as a Design Process' Mxd1 A_ Conference Date: March 15-18,2023

_Areas of Interest/Research

Computation
Simulation
Animation
Game Logic
Speculative Landscapes
Fictional Scenarios
World Building/Storytelling

_Software/Technology

3d Modeling/Animation/Simulation/Rendering/Drafting

Rhino 3D
Grasshopper (+ plugins)
Blender (+ add-ons)
3ds Max (+ Arnold algorithmic render)
RealFlow (Fluid Simulation)
AutoDesk CFD (computational fluid dynamics)
AutoCAD

Post Processing

(Adobe Creative Suite)
Photoshop
Illustrator
InDesign
After Effects

Game Logic/World Building

UPBGE
Unity
World Machine

Cartography and Geospatial Data

ArcMap/ArcGIS Pro
CloudCompare (LIDAR data processing/editing)

Digital Fabrication

CNC Routing (Mastercam + RhinoCAM for file programing/coding)
3D printing
Laser Cutting

Artificial Intelligence/Machine Learning Platforms

RunwayML

Coding Languages

Processing
Java
Python