

MINOR IN EXPERIMENTAL GAMES

This document highlights skills and tools that students in this minor may develop proficiency in throughout their studies. This list serves only as an overview of skills and tools relevant to the minor, and it may not reflect all applicable skills and abilities developed by each individual by the time of graduation.

SKILLS:

- 2D/3D Animation
- 3D Modeling
- 3D Surfacing
- Audio Editing/Mixing/Processing
- Basic Physics
- Character Design
- Foundational Coding Structures
- Game Balancing
- Game-Specific Writing
- Generative Algorithms
- Interactive States
- Interactivity
- Interface Design
- Level Design
- Lighting
- Logo Design
- Model Rigging
- Motion Design
- Narrative Development
- Nonlinear Narratives
- Playtesting
- Prototyping
- Random Events
- Rule Design
- Systematic Media Combination
- Virtual Environment Creation/Modification

PROGRAM-SPECIFIC SOFTWARE/LANGUAGES:

- After Effects
- C#
- C++
- Game Engines (Unity/Unreal Engine/Godot)
- HTML5
- Illustrator
- iStopMotion
- Java
- JavaScript
- Lua
- Maya
- Media Encoder
- Mudbox
- Photoshop
- Premiere Pro
- Python
- Substance Painter
- Toon Boom Harmony
- Z-Brush

GENERAL SOFTWARE:

- Google Suite
- Microsoft Office Suite

CAREER DEVELOPMENT RESOURCES:

Opportunities for internships, full-time and part-time employment, and work studies are posted on Handshake. All current students and alumni have access to view and apply for these opportunities. New opportunities are posted frequently. Handshake also offers links to internship and employment resources, career development resources, and the option to submit your resume for critique and review. Students and/or alumni are welcome to contact Career Development for one-on-one employment assistance.

- Career and degree/major exploration
- Career development: resumes, cover letters, interviewing skills, professionalism, networking, and informational and mock interviews
- Internship preparation, application, and registration
- Job and internship search strategies
- Job and internship listings and networking contacts
- Employer connections and mentorship

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