BT Ward

Technical Artist, Pipeline & Tools

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LinkedIn

Skills

Programming Languages:	Programming Concepts:	Key Software:
• Python	• 3D Games Pipelines	• Version Control (P4, Git)
• C++	• Tools	• 3D DCC (Maya, 3ds Max, Blender)
• C	• 3D Math	
• JavaScript	• Communication	• Qt UI
• GLSL	• Problem-solving	• Direct3D
• MEL	• Legacy Codebases	• Visual Studio

Experience

Advisor   **September 2024 – Present**

Warby Parker   Skokie, Illinois

Technical Artist   **January 2022 – January 2023**

Electronic Arts (EA Create Animation)   Orlando, Florida (Remote)

Titles: *EA SPORTS PGA TOUR* (2023)*, Dragon Age: The Veilguard* (2024)

- Collaborated with animators and producers in order to ameliorate technological barriers
- Prototyped a Python script for Maya visibility shortcuts, saving 5 clicks on every launch
- Automated Python Maya animation export scripts, alleviating 9 person-days of manual work
- Maintained an in-house Maya Python animation picker tool for non-humanoid rigs based on accessibility and UX feedback from animators in weekly meetings

Independent Tools Engineer   **March 2020 – Present**

- Introduced new skinning troubleshooting techniques through a Blender Python add-on which allows users to capture and iterate on problematic poses from live engine data
- Eliminated 2 intermediary tools and improved import pipeline efficiency 50% by bundling material binary data I/O into a Blender Python add-on and node-based shader
- Automated skin mirroring workflow via MAXScript, speeding up time-to-iterate by 2 minutes

Data Engineering Intern   **June 2019 – September 2019**

RWTH Aachen   Aachen, Germany

- Implemented Pyside UI in ROS for initiating and evaluating data recording
- Participated in an international workspace with a diversity of languages and cultures

Education

Bachelor's of Science in Computer Science   **June 2021**

Northwestern University, McCormick School of Engineering and Applied Science

Media Arts & Game Design Certificate   **June 2021**

Northwestern University, School of Communication