Akhilesh Vijaykumar

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EXPERIENCE

DreamWorks Animation L.L.C — Glendale, CA
Technical Director — *Jan 2022 - Present*

- *Generalist TD on Unannounced Project* — Jan 2024 - Present
- *Generalist TD for Kung Fu Panda 4* — Oct 2023 - Dec 2023
- *Effects TD for Kung Fu Panda 4* — Aug 2023 - Oct 2023
- *Character Effects TD for Trolls Band Together* — Jan 2022 - Jul 2023

Electronic Arts Inc. — Orlando, FL
Technical Artist Intern — *Jun 2021 - Dec 2021*

- Developing procedural tools to simplify and speed-up Body workflows for Character Artists
- Scripting in the Frostbite engine using Python

Texas A&M University — College Station, TX
Graduate Teaching Assistant — *Aug 2019 - May 2021*

- Teaching and grading assignments on Object-Oriented Programming Concepts in C++ and OpenGL
- Developed the TxGRAPH'2021 Conference website using HTML5,CSS3 and jQuery
- Grading assignments for The Digital Image and Image Synthesis

TECHNICAL SKILLS

Languages: Python, MEL, C++, C#, C, Java, SQL, GLSL/HLSL
Web Technologies: HTML5, CSS3, PHP , JavaScript, AJAX, jQuery , TypeScript
Libraries: OpenGL, Tensorflow, PyTorch
Softwares: Maya, Houdini, UE4, Photoshop, AfterEffects, Unity , Substance Painter
Certification: NPTEL Online ELITE Certification in Introduction to Machine Learning from I IT Kharagpur

PROJECTS

Independent Study - Deep Learning for Houdini — Spring 2021

- Trained AI models to predict real-valued parameters from images and use them to build procedural 3D models

Mesh Grouping Tool in Houdini — Fall 2020

- A simple interface to form the closest possible, non-intersecting group of meshes, with randomized orientations

Houdini Game Jam | *Theme: Don't Panic* — Fall 2020

- Worked in a team of 2 to make a game in Unity

Animation Industry Course | *Theme: Photorealism* — Summer 2020

- Worked in a team of 5 to create a 30 second Animated short film in Maya
- Roles: Project Management, Modeling, Surfacing, FX and Lighting

3D Modeling and Animation | *Secret of the Quokka* — Fall 2019

- Worked in a team of 5 to create a 30 second Animated short film in Maya
- Roles: Modeling , Animation and Lighting

EDUCATION

Texas A&M University — College Station, TX
Master of Science in Visualization (GP A : 4.0) — *Aug 2019 - Dec 2021*

R N Shetty Institute of Technology — Bangalore, India
Bachelor of Engineering in Information Science — *Aug 2015 - Jul 2019*