

Matthew Walker

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Education

Brigham Young University
Provo, Utah

BS, Computer Science: Animation
Graduating April 2022

Employment History

LDS Motion Picture Studio

Provo, Utah

Pipeline TD

November 2021 – Present

- Developed a USD-based animated film pipeline alongside a small team of engineers, saving artists 100's of hours of work
 - Wrote a number of tools to automate the process of rendering Cryptomatte, resolving USD assets, and rendering jobs on the render farm in C++ and Python

Brigham Young University

Provo, Utah

Animation System Administrator (Linux, Windows)

June 2021 – November 2021

- Managed 50 computers spread over two animation labs which included updating software, building new images, and being the administrator over the render farm

Computer Technician - Supervisor

August 2017 – November 2021

- Led a team of Technicians to provide quality service to BYU Faculty members
- Diagnosed and Fixed countless computer problems

BYU - Center for Animation

Provo, Utah

Lead Technical Director/Pipeline TD

June 2020 – June 2021

- Worked as the Lead Technical Director for BYU's animated film for 2021, "Stowaway"
 - Designed Pipeline code for asset creation using Python/Bash, collectively saving 2 hours per week for artists
 - Wrote custom tools and HDA's in Houdini, cutting down render setup times to seconds rather than minutes

Technical Director/VFX Artist

July 2019 – October 2019

- Worked as the Technical Director of team of 10 artists/animators BYU's animated film "Death and Delilah"
 - Rendered and composited 60 of the 82 shots in the film
 - Led shot assembly for almost every shot in Houdini
 - Mentored and taught students how to properly render a shot on layers and composite them in Nuke
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Professional Skills

Programming Languages

C++, Python, Java, Bash, MEL

Production Software

Houdini, Maya, Nuke,
Unreal Engine, Adobe Suite

Literacy

Fluent in English and
Japanese

Hobbies & Interests

Hiking

Snow Skiing

Animated Film

Game Design

Music Production

Computer Graphics

Linux

Building PC's