ROBERT ZHOU

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Character Effects (CFX) TD │ Technical Animator

EXPERIENCE

May 2022 – Present
Burbank, CA, USA

Walt Disney Animation Studios | Character TD
- Perform cloth, hair, environment, and prop simulations with shot sculpting
- Write quality-of-life enhancements for department tools based on show priorities
- Identify opportunities for improving show workflows and core tool performance

Shows: Strange World, Wish

Jan 2020 – Apr 2022
Montréal, QC, Canada

Method Studios | Character TD
- Created simulation and render setups for cloth, hair, rigid bodies, and muscles
- Wrote a Maya and Houdini deformer for rigidifying armor pieces in characters
- Reworked the shot sculpting tool set into a configurable and efficient interface
- Prepared documentation for new starters and comprehensive references

*Shows: Bloodshot, The Witches, For All Mankind Season 2, Halo Infinite, Loki, Ms. Marvel,
Thor: Love and Thunder*

Aug 2019 – Dec 2019
Vancouver, BC, Canada

MPC Film | Technical Animator (CFX)
- Performed cloth simulations, hair/fur dynamics, simulation setups, and sculpting
- Enabled key artists to block in sequence-level looks with batch tools

Films: Sonic the Hedgehog, Unannounced Pitch

Aug 2017 – Jul 2019
Vancouver, BC, Canada

MPC Film | Layout Department TD
- Managed the global camera pipeline transition to a rigged camera system through software, rigging, and artist support
- Supported "Ad Astra" as a layout artist

*Films: A Wrinkle in Time, Skyscraper, Ad Astra, Aquaman, Detective Pikachu,
Maleficent: Mistress of Evil, Sonic the Hedgehog*

Aug 2016 – Dec 2016
Philadelphia, PA, USA

University of Pennsylvania | Teaching Assistant
- Produced the motion capture workflow and training material for the course

Aug 2015 – Oct 2015
Remote

Autodesk (Subcontractor) | Assistant Animator
- Supported the lead animator with modeling and character animation

SKILLS

Software
Maya, Houdini, Marvelous Designer, Qt, Katana, Linux, RenderMan, Nuke, Git

Languages
Python, VEX, C++, MEL, JavaScript, Bash

EDUCATION

Aug 2014 – May 2017
Philadelphia, PA, USA

University of Pennsylvania
BSE Digital Media Design, GPA 3.68
- Interdisciplinary program between the Computer & Information Science and Fine Arts departments