

Chris Luangrath

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EDUCATION

Brigham Young University,
The College of Physical and Mathematical Sciences
Bachelor of Computer Science, Emphasis in Animation

Apr 2024
Provo, Utah

- GPA - 3.61

Coursework:

- Linear Algebra
- Discrete Structures
- Adv Programming Concepts
- Algorithm Design & Analysis
- Scripting for Animation
- Shader Programming
- Graphics and Image Processing

SKILLS

- **Proficient:** Unreal Engine 5, C++, C#, Java, Python, JavaScript, Visual Studio, VS Code
- **Moderate:** Perforce Helix Core, Maya, Houdini
- **Familiar:** Adobe 3D Substance Painter

RELEVANT EXPERIENCE

BYU Animation Program Game Capstone

Jan 2023 - Present

Pipeline/Research Assistant

Provo, Utah

- Implementing/maintaining a Perforce Helix Core server, and training and troubleshooting for 10 people
- Writing scripts to help automate configuring Perforce environments for UE5
- Prototyping, developing, and iterating the capstone project in UE5 (blueprints for quick iteration)
- Managing a Discord server for efficient communication in and between teams (roles, automated bots)
- Collaborating with teammates through work management software to maximize performance (Codecks)

Perception Control Cognition Lab

Oct 2020 - Jan 2023

Research Assistant

Provo, Utah

- Created and helped develop 3 simulations and experiences in Unreal Engine
- Fine-tuning parameters in apps and games (speed, size, visibility, etc.) for a better user experience
- Collaborating with teammates through work management software to maximize performance (Jira)

Renaissance Academy

Jan 2017 - Aug 2018

Space Mission Simulation Volunteer /

Lehi, UT

Programming Mentor

- Assisted 30+ students with computer errors by teaching how to fix problems
- Instructed groups of 8-10 people how to use computers in a space mission simulation
- Volunteered after school and on weekends to assist students regularly for about 1.5 years