Jacob Liddle

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https://wockomtosh.github.io/

Relevant Experience

Software Engineer   Draper, UT
Cvent   Jun 2022 - Aug 2023
- Created new back-end and front-end functionality, fulfilling various requirements given by project managers
- Collaborated with managers, senior engineers, and teammates in daily scrum meetings
- Worked with product designers and localization teams to develop various features

Game Development   Provo, UT
Brigham Young University Animation program - Shepherds   Aug 2021 - Apr 2021
- Prototyped gameplay elements in Unreal Engine using a combination of blueprints and C++
- Implemented UI elements designed by the art team
- Developed wolf AI and several player-wolf interactions
- Advised directors on managing feature creep by maintaining a focus on the core of the game

Teaching Assistant   Provo, UT
Brigham Young University - Intro to Graphics and Image Processing   Jan 2021 - Apr 2021
- Helped classes of 35-75 students complete projects, focused on debugging code and comprehension of topics
- Taught students about image filtering and manipulation, rendering pipelines, and lighting models

Skills/Accomplishments

- **Proficient:** C++, Python, Javascript, Java
- **Moderate:** Unity, Unreal Engine, C#, SQL

Education

Master's of Entertainment Arts Engineering   Salt Lake City, UT
University of Utah   Aug 2023 - May 2025
- Studied C++ for game development for the purpose of developing a game engine
- Developed games in a variety of genres with different design constraints
- Practiced game design by developing and playtesting various games and prototypes

Computer Science   Provo, UT
Brigham Young University   Aug 2016 - Apr 2022
- Dean's List in the College of Physical and Mathematical Sciences
- BYU Center for Animation monetary award for Consistent Work and Positive Attitude
- Relevant Coursework: Video Game Production, Computer Graphics, Artificial Intelligence, Systems Programming, Software Design, Algorithm Design and Analysis, Advanced Algorithms and Problem Solving