



# LUKE TARANOWSKI

Recent graduate of DigiPen with 5+ years of project experience developing student video games.

## EDUCATION

### Bachelors of Computer Science (2025)

#### Minor in Math

DigiPen Institute of Technology

## WORK EXPERIENCE

### Construction Labor

Considerate Contracting | December 2021 - September 2022

- Followed Osha guidelines to maintain safety and productivity of worksite.
- Ensured that work met or exceeded customers' expectations.
- Developed a jig system to automate lumber cutting, improving speed and precision.

## SKILLS

- C, C++, C#, SQL
- Git, SVN, Visual Studio
- Unity, Unreal Engine, Godot
- Leadership
- Problem solving
- Knowledge of algorithms and data structures
- Strong analytical and reasoning skills
- Proficiency in troubleshooting software issues and debugging a large codebase
- Communication

## PROJECT EXPERIENCE

### Level Editor in Custom Game Engine

DigiPen | Dear ImGui, C++, JSON, Custom Engine

- Led development of a level editor integrated with a custom game engine; supported object placement, playtesting, and file management.
- A JSON serialization system enabled saving/loading of level data.
- Built editor features based off of the needs of the level designers.
- Utilized pair programming to develop a highly efficient game object manager for the custom game engine.

### Tech Lead

DigiPen | C#, Sourcetree, Godot

- Acted as tech lead, supervising 2 other coders; onboarded them and managed their task workload.
- Led code reviews to ensure new feature quality.
- Developed player controller with advanced UX and responsiveness features.

### Electrons in Extreme Magnetic Fields

DigiPen | C++, MATLAB, Armadillo, VirtualBox

- Examined how we can read energy levels of electrons to understand the mechanics of extreme magnetic fields, such as those in a neutron star.
- Converted existing code in MATLAB into optimized C++ which sped up calculation time by 11%.
- Utilized various linear algebra libraries in a Linux virtual machine to achieve correct output and efficient operation.

## REFERENCES

### Tom Lyman

CFO Considerate Contracting

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### ADDRESS :

Black Diamond, WA

### CONTACT:

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### GITHUB:

<https://github.com/SomewhatProfessional>

### LINKEDIN:

[www.linkedin.com/in/LukeTaranowski](http://www.linkedin.com/in/LukeTaranowski)