

# T. Alexander Campbell

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🔗 <https://masterofbanks.itch.io/>

## Skills

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**Unity, Node.js+Express, PostgreSQL, Unreal Engine, C#, C++, Python, SolidWorks, UI Design, Game Design, Version Control (Github and Unity)**

## Education

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**Interactive Entertainment M.S., FIEA @ University of Central Florida** 08/2025 – Present | Orlando, FL

**Physics B.S., University of Florida** 08/2021 – 05/2025 | Gainesville, FL

## Projects

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**Soccer Wordle** 📄 05/2025 – Present

- Full-stack web app game where you guess soccer players instead of words
- Built a python webscraper to scrape soccer player data from FBref.com 📄
- Designed and implemented a SQL database using PostgreSQL to store 4000 soccer players' information
- Created a RESTful API using Node.js and Express to get player data to the frontend
- Designed frontend with a responsive player search bar and easy to understand UI using Unity and C#

**Dungeoneer and the 3 Gifts** 📄 04/2024 – 10/2024

- 2D Precision Platformer made using Unity where players find and use powerups to traverse through a sprawling Dungeon
- Implemented a fluid and snappy movement system and metroidvania-like power-up progression system
- Utilized C# to code the Player Movement, Camera Control, and Environment Control Scripts
- Designed over 50 Levels with multiple platforming solutions
- Drew over 20 Environment Sprites and Visual Effects

**Die Guy** 📄 09/2022 – 11/2022

- A 2D puzzle-based platformer made in Unity and C# where players utilize death activated abilities to make progress
- Utilized C# to code the Game Management, Player Movement, and Player Abilities Scripts
- Designed all 10 Levels
- Cooperated with and managed a team of three people to make music, design UI and write command scripts
- Designed Intro, Pause, and Ending UI

## Professional Experience

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**Team Member, Tropical Smoothie Cafe** 04/2024 – 12/2024 | Gainesville, FL

- Took customers orders using electric POS system
- Worked the line making wraps, sandwiches, salads and bowls
- Prepped sauces and sides for service
- Closed the restaurant by washing dishes, mopping floors, and cleaning bathrooms

**Undergraduate Researcher,** 01/2023 – 08/2023 | Gainesville, FL

*UF Department of Physics and MagLab High B/T Facility*

- Supported MagLab User Operations through the use of a commercial SQUID (superconducting quantum interference device)
- Completed Data Analysis in Origin with data acquired from SQUID