

GREGORY MILLARE

Software Developer

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<https://github.com/gmillare4>

SKILLS

React & Redux Webpack Babel Node.js Express

PostgreSQL Firebase RESTful API Git Heroku

TECHNICAL PROJECTS

The Nominees

<https://github.com/gmillare4/The-Nominees>

A website that you can use to search The Open Movie Database (OMDb) for movies and allows you to nominate them

- Developed using **React**
- Obtained movie information from the **OMDb API**
- Additional features include pagination, loading animation, and error handling

Madness Mini Golf

<https://github.com/Fox-Fires/Capstone>

A 2D, maddening multiplayer golf game on the web in which you can sabotage your friends as you race towards the goal

- Developed multiplayer functionality using **Firebase Realtime Database**
- Integrated **Planck.js** with **Phaser3** to implement core game logic
- Created interactive visual elements using **Phaser3**

Ceramics Ecommerce Store

<https://github.com/Grace-Potter/grace-potter>

A fully functional ecommerce store whose inventory consists of ceramics

- User interface was built using **React / Redux**
- Express**, **Sequelize**, and **PostgreSQL** were used for data management in the backend
- Additional features include OAuth authentication, route protection, order verification via email, and guest user sessions

Audio Visualizer

<https://github.com/gmillare4/Audio-Visualizer>

An audio visualizer that can visualize the Fast Fourier transform and waveform of music or any microphone input

- Rendered visuals and animations using **p5.js**
- Developed audio and microphone functionality using the **p5.js** sound library
- Additional features include ability to switch between music mode and microphone mode and to switch the image display

Conway's Game of Life in 3D

<https://github.com/gmillare4/Game-of-Life-in-3D>

An interactive 2D/3D visualizer of Conway's Game of Life, a simulation of cell autonomy used in theoretical biology

- Used **React** to render the Game of Life and user interface
- Rendered the 3-dimensional view with **Three.js**
- Managed the game's generations in state using **Redux**
- Additional features include the ability to click on cells to toggle their state and the inclusion of camera controls for the 3-dimensional view

Stock Watcher

<https://github.com/gmillare4/Stock-Watcher>

A website that allows you to see real-time trading prices and candlestick data on any stock

- Acquired real-time stock data with **WebSockets** and the **Finnhub Stock API**
- Rendered user interface and managed state using **React**

GergBot

<https://github.com/gmillare4/gergBot>

A discord bot for private use among friends and written in **Node.js**

PROGRAMMING

JavaScript



HTML & CSS



SQL



STRENGTHS

Oral and Written Communication

Committed to Lifelong Learning

Leadership

EDUCATION

Software Engineering

Fullstack Academy

08/2020

M.S. in Management of Technology

University of Texas at San Antonio

12/2020

GPA

3.91 / 4.0

B.S. in Biology

Conc. in Neurobiology
University of Texas at San Antonio

05/2019

GPA

3.73 / 4.0

OTHER EXPERIENCE

Project Manager

UTSA Seal the Deal

09/2019 - 10/2019

Seal the Deal - an event proposed to impress prospective MSDA students to enroll

- Managed a team of 8 individuals to organize a welcoming event for prospective MSDA students
- Secured \$500 of funding for the project

President

Alpha Epsilon Delta

04/2018 - 04/2019

AED - a national pre-health professional honor society

- Managed a team of 12 officers to provide events and resources for pre-health professionals
- Increased overall membership by 20%
- Increased meeting efficiency by 50%