

REED GUNN

Evanston, IL 60201 | (314) 230-5829 | reedgunn2027@u.northwestern.edu | <https://reedgunn.github.io/>

EDUCATION

Northwestern University

Evanston, IL

Bachelor of Science, Computer Science, GPA: 3.50/4.00

Sep 2023 - Jun 2027

Relevant Coursework: Data Structures & Algorithms (Racket), Fundamentals of Computer Programming 2 (C/C++), Engineering Analysis 3 (MATLAB, system dynamics), Fundamentals of Computer Programming 1.5 (Python), Engineering Analysis 2 (MATLAB, vector methods), Fundamentals of Computer Programming 1 (Racket), Engineering Analysis 1 (MATLAB, linear algebra)

SKILLS

Languages: Python, Java, C#, C++, HTML, CSS, C, MATLAB, Racket

Technologies: Git, GitHub

PROJECTS

Worble Game App

- Developed Wordle-esque game app using C# and Unity that allows player to choose length of word to guess with range 2-15
- Scrabble dictionary loaded into a hash set for efficient lookup operations, nearly all (of 174) game objects generated via script
- Introduces buttons such as 'View answer' and 'Restart with new word', supports various messages for submission attempts

Personal Website

- Built personal GitHub Pages website from scratch using Git, HTML, CSS, and JavaScript that presents my professional skills
- Includes navbar with local and external links, a portfolio section, and a contact form that connects remotely to a Google Form
- Portfolio section presents all my Unity app personal projects as WebGL builds that can be used immediately on the website

Ping Game App

- Developed Pong-esque game app using C# and Unity where player chooses from 3 difficulty levels and plays against computer
- Bypassed using Unity's physics engine by implementing componential velocities with frame-by-frame object position updating
- Introduces physical component of friction between paddles and ball, influencing post-collision vertical velocity of ball

Sleep Schedule Generator App

- Developed health app using C# and Unity, sleep-needed algorithm based on dissection of National Sleep Foundation study
- Takes in user's birthday, time it takes to fall asleep, and wake-up time, and outputs best possible bedtime recommendation
- Implemented robust algorithm that calculates user's age in days using API-provided current date

EXPERIENCE

Code Galaxy

Remote

Computer Science Instructor

Jun 2024 – Aug 2024

- Taught fundamentals of computer science to kids through Scratch and Minecraft Education projects in a virtual classroom

Andrews Academy

St. Louis, MO

STEM Camp Counselor

Jun 2023 - Aug 2023

- Collaborated with another counselor to design curriculum for and facilitate hands-on engineering/math-themed projects for kids

LEADERSHIP

Brazilian Jiu-Jitsu Club / Northwestern University

Evanston, IL

Member

Oct 2023 - Present

- Active and determined member, took lead on organizing meetups

AWARDS

1 Dean's List Honors Certificate / Northwestern University

INTERESTS

No-gi Brazilian Jiu-Jitsu, self-improvement books, health, fitness