

# Rex Wang

Computer Engineering

Sophomore at Purdue University

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Undergraduate computer engineering student at Purdue University seeking internships in relevant fields. Experience in programming and game design.

Github: <https://github.com/Rexwang8/>

Itch.io: <https://rexwang.itch.io/>

## Experience

### Engineering Intern

Broad Ocean Motors

Westmont, IL

JUN. 2019 - AUG. 2019

- Assisted coworkers in configuring motor units.
- Assembled A/C units for use in wind-tunnel testing.
- Explored the theoretical basis of motors through Arxiv.
- Spearheaded micro-controller case development with the use of Rhino 5.

### CSVtoOFX, 2021

- Built a conversion software that converts bank statements into Official Financial Exchange Documents to be imported into Microsoft Money 2010 using C#
- Utilized file management package to interact with the local file system.
- Repo: <https://github.com/Rexwang8/CSVtoOFX/>

### Aqua Cat Game, 2021 - Present

- Developed a side-scrolling game called Aqua Cat using Unity Game Engine and C#.
- Compatible with multiple platforms.
- Available: <https://rexwang.itch.io/aqua-cat/>

### Pekora Quest Game, 2020 - 2021

- Created a large 2D RPG using Gamemaker 2, with an average playtime of 2+ hours.

### Android Phone app for Bluetooth motor serial communication, 2019

- Written an Android app that allows interfacing with the micro-controllers in motors through the use of Bluetooth.

## Education

Bachelor of  
Science in Computer Engineering  
Purdue University

West Lafayette, IN

SEPT 2020 - JUNE 2024

Highschool Diploma  
Neuqua Valley High School

Naperville, IL

SEPT 2016 - JUNE 2020

## Skills

Software: C, C#, Matlab, Unity, Rhino 5, Auto-Cad, LTSpice, GitHub, Microsoft Office

Hardware: Breadboard, Electronic Laboratory Equipment (DMM, Oscilloscope, Function Generator, Power Supply)