Rex Wang

Computer Engineering
Sophomore at Purdue University

- Email: wang5009@purdue.edu
- Phone #: 630-596-7461
- Address: 2 Trevino Court,
- Bolingbrook IL, 60490

- Portfolio: https://rexwang8.github.io/
- Github: https://github.com/Rexwang8/
- Itch.io: https://rexwang.itch.io/

SUMMARY

Undergraduate Computer Engineering student studying at Purdue University seeking a summer internship specializing in back-end coding and/or C#. Experience in programming and game design

EDUCATION

Purdue University - Computer Engineering (Sophomore)   2020-2024 - West Lafayette, IN
Bachelor's of Science in Computer Engineering

PROFESSIONAL EXPERIENCE

Broad Ocean Motors - Engineering Intern   Summer 2019 - Westmont, IL

- Created an independent project to design microcontroller cases to allow for easier port access and less damage during normal usage while testing microcontroller quality.
- Programmed a microcontroller Bluetooth interface application which allowed for a streamlined testing process.
- Assisted in configuring and testing motor units in order to ensure that critical faults from returned motors are identified and recorded.
- Assembled A/C units for use in testing motor performance metrics in wind-tunnels.
- Researched motor theory to allow for more effective discussion with coworkers.

PERSONAL PROJECTS

CSVtoOFX - Unity/C#   Summer 2021

- Built a conversion software that converts bank statements into OFX files, allowing automated transfer of transaction data from bank to local software (Microsoft Money).
- Utilized file management package to allow for program read and write to local file system.

AquaCat - Unity/C#   2021

- Explored concepts of procedural generation to create an automatic level generation system.
- Optimized game using profiling tools to allow for compatibility with multiple platforms at maximum performance.

LANGUAGE, SKILLS, ACTIVITIES

Language - English (Fluent), Chinese (Beginner), Japanese (Classroom Study)
Skills(Software) - C, C#, MatLab, CSS, HTML, Unity, GitHub, Microsoft Office
Skills(Hardware) - Breadboard, DMM, Oscilloscope, Function Generator, Power Supply
Activities - Member of IEEE's Computer Society, Member of Software Saturdays

CERTIFICATIONS

Purdue ECE Department - Python (Pending), React (Pending)