

# Rex Wang

Computer Engineering

Sophomore at Purdue University

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## SUMMARY

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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

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

## PROFESSIONAL EXPERIENCE

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**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

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**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 (Phone Game) - 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

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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

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