# JUNO WONG

JW

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## SUMMARY

Aspiring to apply my electrical engineering expertise in a collaborative team setting as an Electrical Engineer Intern. Eager to contribute to projects involving circuit design, signal processing, and hardware development while honing my practical skills and knowledge.

## SKILLS

- Programming Skills: Python, Java, SystemVerilog
- Tools: Quartus II, MATLAB, LTspice, IntelliJ
- Soft Skills: Teamwork, Time Management, Problem Solving, Communication

## EXPERIENCE

**Assistant Engineer Intern**  /  Innotect Enviro Limited                    *05/2020 - 08/2020*
- Contributed to various energy-saving projects, involving both marketing and engineering calculations
- Developed a web-based application to track energy consumption and generate reports
- Assisted in the design of a new energy-saving product.

## EDUCATION

**Bachelor of Science in Electrical Engineering**                    *Expected in 09/2024*
University of Washington, Seattle
- Circuit Theory
- Programming For Signal And Information Processing Applications
- Signals, Systems, And Data
- Digital Circuits And Systems
- Advanced Technical Communication
- Computer Programming II
- Intermediate Data Programming

## PROJECT

Traffic Simulation - Frogger Game
Description:
- Developed a traffic simulation game called "Frogger" where players guide frogs to cross a busy highway safely. The game aimed to address the issue of frogs getting killed while attempting to cross the road.
- Role and Responsibilities: Designer and Developer
- Technologies and Tools Used: SystemVerilog, Quartus, DE1-SoC Development Board, Input/Output System, 16x16 Sized Board

Filters and Audio Mixer
Description:
- Designed filters based on given specifications, analyzed their characteristics and created an audio mixer utilizing the designed filters. Calculated expected filter data, measured characteristics, and contributed to circuit design for the audio mixer.
- Role and Responsibilities: Filter Data Calculation, Characteristics Measurement, Circuit Design Assistance
- Technologies and Tools Used: LTspice, Input/Output System, MATLAB, Microphone, Speaker

Books Recommender System
Description:
- Developed a website utilizing Machine Learning to recommend books to readers based on their prior reading history.
- Role and Responsibilities: Designed and developed the website and Books Recommender System. Learned and implemented Machine Learning algorithms for book recommendations.
- Technologies and Tools Used: Python, Visual Studio, Jupyter Notebook, Collaborative Filtering, Machine Learning, Streamlit, Flask, SQLite