Cristian Robinson

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Education

The Ohio State University, *Columbus, OH,* **Cumulative GPA 2.989** **Expected: Apr 2024**

Bachelors in Electrical and Computer Engineering (General), *(Minoring in Computer Science)* **Major GPA 3.307**

Associates in Arts (General) **Completed: May 2022**

Notable Courses Taken:

ECE 2060: Digital Logic
ECE 2020: Intro to Analog and Digital Circuits
CSE 2221-2231: Software Components I+II
ECE 3050: Advanced Signals and Systems

Technical Skills

Programing Languages: C++, Python (Basics), Java, Verilog HDL, System Verilog, MSP Assembly, MATLAB

Tools and Technologies: MATLAB, Oscilloscope, ModelSim, QuartusPrime, Linux/Unix, LTSpice, SolidWorks, Microsoft Office, PLC & PMC, AutoCAD

Work Experience

Electrical Engineering Co-Op, *Honda Motor Company, Russel's Point, OH* **Aug 2022-Jan 2023**

Utilized project management on several projects in a mass-production manufacturing environment. Projects entailing usage of programable logic controllers using Assembly, C++, and System Verilog, using knowledge of circuits and electronics to design and implement automated manufacturing processes with built-in safety capabilities. Used programs such as SolidWorks, Microsoft Office, AutoCAD, GX Logic Viewer and various software's in everyday environment.

Campus Ambassador, *Yik Yak, Columbus, OH* **Dec 2021-Present**

Promoting brand and application through means of social media. Maintains follower base and active community while promoting growth. Demonstrate product and active use case. Community driven a changing environment. Communicated with staff and other ambassadors to create collaborations.

Academic Projects

Software Design Project **Oct 2020**

- Appointed team lead and continuously ensured that the team was progressing orderly, while maintaining quality
- Conducted a plethora of tests to ensure that the team's games were functioning properly and were accessible
- Developed a variety of various games utilizing MATLAB and uploaded online

Technical Design Project **Mar 2021**

- Designated as Team Leader and delegated roles and tasks to each member
- Designed a self-autonomous plant watering device based on current smart home systems
- Developed marketing strategies to attract stakeholders and to meet the market needs
- Tested multiple prototypes to ensure proper water flow and structural integrity
- Utilized SolidWorks, Microsoft Excel, and Raspberry Pi hardware

Design of a Simon Game **Nov 2021**

- Designated as Team Captain and lead in design of code
- Designed a CODEC Controller for a Texas Instruments FPGA, AE2 board via Digital Logic and Coding
- Utilized knowledge in Verlog HDL and System Verilog to write and design various components required for the game
- Utilized tools such as ModelSim and Quartus Prime to directly interact and program the controller board

Organizations

Sigma Phi Epsilon, *National Fraternity, Scholarship Chairmen* **Aug 2021-Present**

The Sigma Phi Epsilon fraternity was founded upon the Cardinal Principles of Virtue, Diligence, and Brotherly Love. The twelve founders of this fraternity sought to return to the true ideals of the Greek community, and since then SigEp has grown to over 260,000 lifetime members, including almost 15,000 undergraduates on more than 260 campuses in the United States, making it the largest fraternity in terms of undergraduate enrollment.

S.T.E.P., *University Driven Organization* **Aug 2020-Mar 2021**

STEP is an extension of Ohio State's commitment to the student experience and provides an opportunity for education beyond the classroom. Students participating in STEP have the opportunity to submit a proposal for a fellowship of up to $2,000 to use towards a STEP Signature Project.

EcoCar Challenge, *GM Sponsored Student Organization* **Jan 2021-Present**

The EcoCAR Team at the Ohio State University is a group of undergraduate and graduate students who convert a GM donated vehicle into a hybrid-electric vehicle. The project must emphasize fuel economy, lowered emissions, consumer acceptability, connectivity, and autonomy. We compete with other universities throughout North America in an annual EcoCAR Challenge competition.

Honors and Awards

Student Worker of the Year, *The Ohio State University* **Received May 2020**

Deans List, *The Ohio State University* **Received Dec 2019, May 2020**

Sigma Phi Epsilon Ruck Scholar, *Sigma Phi Epsilon Fraternity* **Received June 2022**