Raymond Lin

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EDUCATION

Texas A&M University — **College Station, Texas**
Bachelor of Science in Electrical Engineering / Minor in Mathematics — *Expected Graduation Date - May 2022*
GPA: 3.341/4

SKILLS

- **Software**: C++, C, Python, JavaScript, HTML, CSS, Verilog (VHDL), ARMv8
- **IDES:** Visual Studio Code, Vivado, Multisim, LT Spice XVII, MatLab, CADENCE Virtuoso
- **Hardware:** Multimeter, Oscilloscope, Circuit/Breadboard Design and Testing, Raspberry Pi, FPGA board

EXPERIENCE

iD Tech Instructor — **Dallas, Texas**
Virtual Instructor — *June 2021 – August 2021*

- Taught game design and application development in C++, JavaScript, and Minecraft.
- Managed virtual classroom to promote student interest in Computer Science, coding, and game development.
- Developed different and unique lessons catered to student's needs.

Engineering/Physics Peer Teacher — **College Station, Texas**
Peer Teacher - ENGR 216/217 — *August 2019 – Present*

- Guided students to apply their knowledge of physics in a laboratory setting using Linux based systems.
- Graded biweekly lab reports and monitored student performance.
- Facilitated office hours for students in need of additional help.

PROJECTS

PartyVizion - https://devpost.com/software/partyvizion — **College Station, Texas**
HowdyHack Grand Winner – 3rd Place — *September 2021 – September 2021*

- Helped create a camera system that plays specific music depending on the number of people in the room.
- Created servo motor algorithm that would adjust camera movements based on number of people present (motorObject.py).
- Gained experience with motor control using Python code as well as combining software and hardware together.

Personal Website – https://github.com/raymondlin22/PersonalWebsite — **College Station, Texas**
Website with information about myself — *May 2021 – Present*

- Created personal website with information about myself including resume, links to Github, and LinkedIn.
- Utilized HTML, CSS, and Bootstrap to make website more interactive.
- Included small minigame made from using JavaScript (work in progress).

Sumo Bot — **College Station, Texas**
Bluetooth Controlled Robot — *January 2019 – March 2019*

- Competed in TURTLE Robotics competition to design a sumo bot to push opponent out of boundary
- Utilized Arduino board, Bluetooth chip, motor drive shield, and Roomba motors to create a robot controllable with a smart phone.
- Included a front-facing bumper that can extend and push opponents out of an arena by using stepper motors and spring mechanics.

HONORS AND ACTIVITIES

Brothers in Engineering, Science, and Technology (BEST) — *September 2019 – Present*
HowdyHack 2021 — *September 2021*
TAMUhack 2020 — *February 2020*
Texas A&M University Robotics Team and Leadership Experience (T.U.R.T.L.E) — *January 2019 – January 2021*
Texas A&M Symphonic Winds Band — *August 2018 – May 2019*