Conor Mika

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Education

Lane Tech High School — Fall 2020 - Spring 2024
- GPA: 3.7UW / 4.8W - PSAT: 1320
- Relevant Coursework: AP Physics 2, H. Engineering Design, AP Calc, H. Computer Microarchitecture

Leadership Experience

***FIRST* Robotics Team Electronics Lead** — Oct. 2020 - Present
- Trained a subteam of nearly 20 members how to design, prototype, and create electronics control boards
- Designed and fabricated multilayer PCBs using a CNC mill

CodeDay Chicago Organizer — Apr. 2022 - Present
- Helped to organize multiple hackathons in my community
- Assisted in finding venues and sponsors
- Lead workshops on assembly and embedded design

Work Experience

CPS Office of Computer Science — Jul. 2022 - Aug. 2022
WBL Summer Intern
- Used machine learning and python to analyze movements
- Designed parts for the robot with Autodesk Fusion360

Citywide Supply and Service — Jun. 2019 - Jan. 2022
HVAC Technician's Assistant & IT
- Assisted in repairs, upgrades, and installations of commercial And residential HVAC-R systems
- Managed online advertising campaigns
- Repaired damaged HVAC control board PCBs

Projects & Awards

VividHacks Hackathon - First Place Winner — Nov. 2021
https://github.com/conorm110/AstroTalk
Designed and created a radio with a directional antenna and a web server that allowed people to upload audio files that would be sent out towards space with a live output of how far your signal has been sent

Assemble Hackathon - Scrappy Award — Aug. 2022
https://github.com/conorm110/assemble-hackathon-2022
Made a keyboard stuffed animal where you entered binary codes for characters using a joystick in the stuffed animal's arm. Won scrappy award for jankiest project.

Verilog2Tetris — Dec. 2021 - Present
https://github.com/conorm110/verilog2tetris
Remaking common microarchitecture course Nand2Tetris in Verilog allowing designs to run on FPGAs. Supports extra features such as a SDRAM controller and VGA displays

Skills

Coding: C, NASM, Verilog, VHDL, C#, Java, Python, PHP
Software: GitHub, Fusion360, KiCAD, Eagle EDA, VS Code