

Nicholas Lang

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EDUCATION

University of Michigan, Ann Arbor, MI

Bachelor of Science in Engineering in Computer Engineering

April 2022

Minor in Entrepreneurship

GPA: 3.323

Coursework: Data Structures and Algorithms, Logic Design, Circuits, Computer Organization, Signals and Systems,
Intro to Probability and Statistics, Entrepreneurial Creativity, Entrepreneurial Business Basics

EXPERIENCE

Coquille Valley Hospital, Coquille, OR

IT Intern

May 2020 – July 2020

- Involved in all aspects of computer installation in new clinic rooms: terminated network cables, set up necessary software, and installed computers in all rooms for easy use by doctors and nurses.
- Rolled out Single Sign On system on all ER and nurse station computers to ensure staff can treat patients and access medical charting software quicker and easier.
- Researched and determined medication scanner bar code errors and updated scanners so that they could correctly scan and register meds in the system.

UM College of Engineering, Ann Arbor, MI

Engineering and Entrepreneurship Instructional Aide

Sept 2019 – Present

- Lead lab sessions and hosted office hours for Autonomous Drones course. Balanced LiPo batteries, repaired drone frames, maintained and troubleshoot ArduPilot software package to ensure labs went smoothly for students.
- Assisted professors with grading assignments, taking attendance, and in class events, as well as maintain Zoom meetings to ensure excellent learning experience for students both in person and remote.
- Maintained contact with students and acted as first line of contact for questions and concerns about assignments, grades, and attendance.

Engineering Advising Center & Career Resource Center, Ann Arbor, MI

Orientation Peer Advisor

May 2019 – Aug 2019

- Led 1,400+ incoming engineering freshmen through summer orientation in order to prepare them for a successful transition to college life.
- Facilitated small group discussions and answered questions on a variety of topics so that students may understand the opportunities and resources available to them.
- Analyzed student survey data to discover trends in the orientation experience throughout recent years.

PROJECT EXPERIENCE

NickLang.dev

Personal website and web server

Aug 2020

- Created a website in HTML and CSS to showcase more details into experience and projects done. Originally hosted as a LAMP web server on a raspberry pi.

SKILLS

Computer Languages and Tools: C++, MATLAB, HTML, CSS, Python, Docker, Windows, Mac OS, Linux, Office
Hardware: Surface and Through hole Soldering, Digital Circuit Design, IT Network Patching and Cable Termination

ACTIVITIES

IEEE

Sept 2019 - Present

Michigan Aeronautical Science Association

Sept 2019 – April 2020

Michigan Hyperloop Build Team

Sept 2018 – Dec 2018