

Kyle Liebler

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BE Student | University of Michigan

Student majoring in electrical engineering with a large concentration in computer science in my junior year at the University of Michigan. Currently seeking a summer internship.

Skills

C++
Flutter
HTML5

Java
Microcontrollers
Arduino

Matlab
Node.js
CSS3

Experience

RESEARCH

Sep 2019 – Present

RHE Lab U-M, Ann Arbor, MI

- Currently tasked with creating a mobile application using Wi-Fi signals to simulate ionized radiation sources and map using a SLAM implementation.
- Mobile application development in Flutter.

FULL STACK DEVELOPER (Intern)

Jun – Aug 2017

Entrepidus, Miami, FL

- Under direction of Entrepidus leadership, created client data analysis system
- Final product created with layered solution using HTML 5, CSS 3, Javascript, Node.js, and MySQL.

MISSIONARY

June 2015 – July 2018

Casa Hogar, Mexico

Restoration Atl, Atlanta, GA

- Mentored and cared for orphans in Mexico
- Participated in construction and demolition projects
- Provided live-in housekeeping and worked as summer and after school counselor
- Cooked for and provided shelter for battered women in the Atlanta area

Projects

Autonomous Drone

Programmed drone to fly autonomously through undefined obstacle course in C++. Created software in Java to project course onto 2D map using relative positions obtained from LIDAR.

MagSpoof

Created a modified version of a device that can wirelessly emulate any swipable card by replicating its magnetic field. Modeled after a device created by security researcher Samy Kamkar. Built in C++.

Education

Bachelor of Engineering (In Progress)

Class of 2022

University of Michigan

Majoring in electrical engineering. Concentration in Computer Science.

Associate of Arts (4.0 GPA)

2018

Broward Collage

Participated in a full-time dual enrollment program during high school where all courses were taken at Broward College in order to receive an AA degree.