Kyle Liebler

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BSE Student | University of Michigan

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

Skills

C++	LTspice	Java
LabVIEW	Circuit Analysis/Debugging	Microcontrollers
Circuit Design	Arduino	Differential Equations

Experience

DEVOPS (Intern) **Nov 2019 – Present**
DataHub, LLC, Chicago, IL

- Certified for Red Hat Linux and OpenShift Container Platform. Role involves integrating customers' workflow to hybrid cloud infrastructure with OpenShift (Kubernetes based product).

RESEARCH **Sep 2019 – Present**
RHE Lab U-M, Ann Arbor, MI

- Currently tasked with software development using Wi-Fi signals in order to simulate ionized radiation sources and map using a SLAM implementation recently patented by the Principal Investigator.
- Mobile application programming in Flutter (Dart). Android specific development done in Java.

SOFTWARE DEVELOPER (Intern) **Jun – Aug 2017**
Entrepidus, Miami, FL

- Tasked with creating a full-stack client data analysis system using HTML5, CSS3, JavaScript, Node.js, and MySQL to interact with Atlassian JIRA's RESTful services.

MISSIONARY **Jun 2015 – Jul 2018**
Casa Hogar, Mexico
Restoration Atl, Atlanta, GA

- Cared for orphans and participated in construction and demolition projects in Mexico
- 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 an undefined obstacle course in C++. Created software in Java to project the course onto a 2D map using relative positions obtained from LIDAR.

MagSpoof
Hardware design and created embedded software for device that wirelessly emulates any swipable card by replicating it's magnetic field. Modeled after device created by security researcher Samy Kamkar. Built in C++.

Education

Bachelor of Engineering (In Progress) **Class of 2022**
University of Michigan
Electrical engineering major with concentration in computer science. Currently at a 3.3 GPA.

Associate of Arts **Class of 2018**
Broward Collage
Participated in a full-time dual enrollment program during high school where all courses were taken at Broward College and received an AA degree with a 4.0 GPA.