Clayton Maksymiuk

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www.cmaks.dev
github: claymaks

Education **2018 - Present**	University of Michigan – Ann Arbor, MI BSE - Computer Science, Minor in Mathematics

Experience

Dario, LLC
2020

Co-Founder
- Built SMS interface for meeting scheduling system using a microservice architecture that implements scheduling, OAuth2 authentication, SSO, and heavy interaction with Google's Calendar and Contact API.
- More at www.cmaks.dev, schedulewithdario.com.

Fisher Dynamics
St. Clair Shores, MI
May 2019 - Present

Software Engineer
- Lead software engineer building autonomous robots from the ground up to move parts in factories. Estimated $500k / yr in savings.
- Ongoing second round of deployment (first round mid-August 2020).
- Implemented an indoor navigation system ("local GPS") and magnetic guidance system.
- Developed server system for controlling multiple autonomous robots and storing their information.
- Worked with I2C, SPI, and UART communication protocols, linking Arduinos, Raspberry Pis, and HERO development boards. Built libraries for communicating with industrial RFID scanners and LIDAR over UART.

Fisher Dynamics
St. Clair Shores, MI
Summer 2018

Tool Room Intern
- Designed, built, and troubleshot electrical panels for numerous factory machines to be used in automotive plants. Safely debugged assembly line machines on the fly with zero downtime.

NoelCo, Inc
Clinton Twshp, MI
Summer 2015,
2016, & 2017

PLC/HMI Programmer
- Developed front-end human-machine interfaces and backend logic for pneumatic presses and 3-axis plastic injection mold machines.

Relevant Skills and Courses

Intro to Autonomous Robots (EECS 367), Computer Vision (EECS 442)
Other EECS courses: 280, 281, 370, 376
Calculus (I, II, III), Discrete Math, Linear Algebra
Experience with Python (8yrs), C, C++, C#, MATLAB, Ladder Logic
Familiarity with Bash, JS, HTML, LabVIEW, MySQL, Postgres, SQLite3

Python Libraries

Flask, flask-restful, SQLAlchemy, numpy, pandas, threading, csv, serial, re, requests, BeautifulSoup4, Selenium, matplotlib, NetworkX, Cython, TKinter, APScheduler

Involvement

Hillel Hockey Team (2018 - Present)
Sigma Eta Pi (Entrepreneurship Organization) (2019 - Present)
First Robotics (2014 - 2018)
Theatre (2008 - 2018)