

Clayton Maksymiuk

<https://cmaks.dev>

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EDUCATION

- **University of Michigan**

BSE - Computer Science

Ann Arbor, MI

Sept. 2018 – May 2022

EXPERIENCE

- **Waymo**

Systems Engineering Intern, Integrated Systems Test Engineer (Software)

Mountain View, CA

May 2021 – August 2021

- Developed automated testing system to facilitate the deployment of custom test sets to HIL test platforms
- Designed protobuf-based testing outline to bundle tests with system preconditions

- **Fisher Dynamics**

Software Engineering Intern

Saint Clair Shores, MI

May 2019 – May 2021

- Created low-cost autonomously guided vehicles to move parts around factory settings
- Saved estimated \$500k / yr in first round deployment with more deployments in progress
- Programmed custom embedded software libraries for interfacing RFID readers and LIDAR scanners via UART
- Designed monitor software for easy debugging and maintaining of system
- Regularly demonstrated robot capabilities to upper management, communicating core ideas to non-programmers
- Conducted user interviews with factory workers to find pain points with new autonomous system
- [See media here](#)

- **Fisher Dynamics**

Tool Room Intern

Saint Clair Shores, MI

June 2018 - August 2018

- Designed, built, and troubleshooted electrical panels for numerous custom factory machines
- Safely debugged assembly line machines on the fly with zero downtime

PROJECTS (SEE MORE AT [CMAKS.DEV](https://cmaks.dev))

- **Dario, LLC**

Software Developer, Co-Founder

Ann Arbor, MI

April 2020 - Aug 2020

- Co-Founded startup with roommates to streamline meeting scheduling
- Built SMS interface for easy-to-use, no download service
- Created microservices to implement cron-like scheduling, OAuth2 authentication, SSO, and heavy interaction with Google's Calendar and Contact API
- More at schedulewithdario.com

EXTRACURRICULARS

- **Sigma Eta Pi**

Professional Entrepreneurship Fraternity

Sept. 2019 – Present

- Organized and moderated multiple panels with student founders and venture capitalists
- Upheld organization values and standards as member of Judicial Board
- Mentored students beginning work on capstone projects, helping connect mentees to needed resources.

TECHNICAL

- **Languages:** Python (8 yrs), C/C++/C# (.NET MF), Golang, RSLogix 500, SQL (Postgres, MySQL, SQLite3), MATLAB, JavaScript, HTML/CSS

Technologies: Serial Comms, Sockets (TCP/IP), Protobuf, LIDAR, Blaze/Bazel, Rapid (workflow), multi-threading, PyTorch, Flask, OpenCV, APScheduler (scheduling)

- **Courses:** Distributed Systems*, Computer Networks*, Network Theory*, Advanced Operating Systems, Autonomous Robots, Agent-Based Modeling, Computer Vision, Calculus (I, II, III), Linear Algebra

* Fall 2021 courses