

# Clayton Maksymiuk

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## EDUCATION

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### University of Michigan

*BSE - Computer Science*

Ann Arbor, MI

*Sept. 2018 – May 2022*

## EXPERIENCE

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### Software Engineer

*Fisher Dynamics*

May 2019 – Present

*Saint Clair Shores, MI*

- 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
- Designed monitor software for easy debugging and maintaining of system
- Developed custom libraries for handling serial communications between controllers and modules
- 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

### Tool Room Intern

*Fisher Dynamics*

June 2018 - August 2018

*Saint Clair Shores, MI*

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

### PLC/HMI Programmer

*NoelCo, Inc*

Summer 2015, 2016, 2017

*Clinton Township, MI*

- Developed front-end human-machine interfaces and backend logic for pneumatic presses and 3-axis plastic injection mold machines

## PROJECTS

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See more at [cmaks.dev](http://cmaks.dev)

### Dario, LLC | *Python, Flask, Twilio, Dialogflow, Node.js, MongoDB, React*

May 2020 – Sept. 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](http://schedulewithdario.com)

## EXTRACURRICULARS

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### 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 SKILLS

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

**Libraries and Frameworks:** PyTorch, numpy, pandas, Flask, SQLAlchemy, BeautifulSoup, Selenium, NetworkX, Cython, serial

## RELEVANT COURSEWORK

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**CS:** Intro to Autonomous Robots (367), Computer Vision (442)

**Math:** Calculus (I, II), Discrete Math, Linear Algebra