

# Clay Maksymiuk

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## EXPERIENCE

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### • Waymo

Mountain View, CA

*Software Engineer, Integrated Systems Testing Infrastructure*  
*Systems Engineering Intern, Integrated Systems Test Engineer (Software)*

*July 2022 – Present*  
*May 2021 – August 2021*

- Created a platform-agnostic testing framework in Python, simplifying test creation for 50+ engineers and enabling the execution of 1,000 tests over 10,000 times for critical V&V and platform validation.
  - \* "Write once, run anywhere" enables tests to inject faults and analyze signals in simulation, on HIL testbeds, in vehicle, and in post-run analysis.
- Architected and developed a full-stack test asset management application that automated system status checks, test package synchronization, and results reporting, utilized by both internal teams and third parties to ensure high-quality firmware/onboard releases.
- Contributed to test campaign management software, which ties system requirements in Jira to test specs and allows manual and automatic test execution, streamlining the execution and sign-off process for thousands of tests across simulation, HIL, and in-vehicle environments.

### • Fisher Dynamics

Saint Clair Shores, MI

*Software Engineering Intern*

*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](#)

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

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### • Textle

*SMS-based Wordle - More at [textle.day](https://textle.day)*

- Custom Wordle game playable (exclusively) via SMS
- 30 users (family/friends/mutual friends), 15 active in first two weeks, taken offline due to high SMS costs

### • Dario

Ann Arbor, MI

*More at [schedulewithdario.com](https://schedulewithdario.com)*

*April 2020 - Aug 2020*

- Co-developed a (pre-LLM!) SMS-based digital assistant to automate meeting scheduling, implementing DialogFlow for NLP, and integrating Google Calendar and Contacts APIs via OAuth2.

## EDUCATION

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### • University of Michigan

Ann Arbor, MI

*Bachelors of Science in Engineering in Computer Science; Cum Laude*

*Sept. 2018 – May 2022*

## TECHNICAL

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### • Languages: C/C++, Python, TypeScript (Angular), Go

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