Clay Maksymiuk

https://cmaks.dev
linkedin.com/in/cmaks

Email: cmaks@umich.edu
Mobile: 586-255-6745
GitHub: claymaks

Education

- **University of Michigan** — Ann Arbor, MI
  Bachelors of Science in Engineering in Computer Science; Cum Laude — *Sept. 2018 – May 2022*

Experience

- **Waymo** — Mountain View, CA
  Software Engineer, Systems Test Automation Software — *July 2022 – Present*
  Systems Engineering Intern, Integrated Systems Test Engineer (Software) — *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** — 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)

- **Textle**
  SMS-based Wordle
  - Custom Wordle game playable (exclusively) via SMS
  - Utilized Google App Engine for hosting and scheduling, MongoDB for storage, Twilio for SMS
  - 30 users (family/friends/mutual friends), 15 active in first two weeks, taken offline due to high SMS costs
  - More at textle.day

- **Dario, LLC** — Ann Arbor, MI
  Software Developer, Co-Founder — *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

Technical

- **Languages**: C/C++, Python, Golang, SQL (Postgres, MySQL, SQLite3), C# (.NET MF)
- **Technologies**: Communications (Serial, Sockets [TCP/IP, UDP]), Autonomous Robotics (LIDAR, SLAM, Controls), Computer Vision (PyTorch, OpenCV), Web Systems (Flask)
- **Courses**: Distributed Systems, Computer Networks, Operating Systems, Autonomous Robots, Agent-Based Modeling, Computer Vision, Calculus (I - III), Linear Algebra