

**SUMMARY:** Well-rounded software engineer with some experience in Controls and Automation, Electrical, and Mechanical work as well.

**EDUCATION:** Michigan State University 3.16, 3.4 GPA  
Computer Science, May 2019 Dean's List, Spring 2018

**EXPERIENCE:** **KUBICA CORP.**, Novi, MI  
*Software Engineer*, May 2019

- Crafted PWAs using Angular to work both on and offline, being indistinguishable from native apps
- Full stack development with a focus on factory automation for mission-critical projects
- Worked with industrial PLCs to provide a modern, web-based UI

**KUBICA CORP.**, Novi, MI  
*Controls Engineer Intern*, May 2018 – August 2018

- Developed programs for factories using Allen-Bradley Controllogix PLCs
- Deployed programs during production in factories

**KUBICA CORP.**, Novi, MI  
*Software Engineer Intern*, May 2017 – August 2017

- Developed in the .NET stack, working directly with customers on mission-critical projects
- Developed web apps in Angular, adjusting on the fly during deployment based on customer needs
- Used the SCRUM methodology to develop programs efficiently and manage time

**PRECISION KARTING TECHNOLOGIES**, Wixom, MI  
*Website Developer, CNC Machinist, Shop hand*, October 2013 – Present

- Experience developing websites using HTML, JavaScript, and CSS.
- Programmed and ran CNC Lathes and Mills using GibbsCAM and Fusion 360
- Worked with heavy machinery and hand tools

**VOLUNTEER:** **ERROR 404/WAVERLY FIRST ROBOTICS TEAM**, Lansing, MI  
*Founder and Lead Mentor*, October 2017 – Present

- Started a world-class high school robotics team
- Secured funding, materials, and other resources to successfully compete in the 2018 and 2019 FIRST Robotics Competition season
- Invited and to the 2018 World Championship due to being the best rookie team in Michigan

**PROJECTS:** **ONGOING**

- **Robotics Team Management Software** – A project started with Error 404/Waverly robotics. A system to keep track of students, complete with time log, skills management, allergies, and injury reports. Custom PHP framework backend with Angular front end.

**PAST**

- **MSU Capstone: Aptiv Vehicle Scheduler (2018)** – Group project to create a scheduling web app for Aptiv's autonomous vehicles, using Angular and C#. We are using SCRUM methodology to develop. Developing in collaboration with Aptiv's AMDAS team.
- **Drivable "Dozer" Robot (2016)** – A small robot designed and built by me. Made of CNC'd and welded aluminum, wired, and programmed with an Arduino.
- **Raspberry Pi Security System (2016)** – A Raspberry Pi using Python to detect door and window openings. Detects if it's me via Bluetooth and Wi-Fi.
- **Ultrasonic Parking Sensor (2014)** – An Arduino that reads an ultrasonic sensor and displays the distance proportionally using a strip of addressable LED's for parking in a garage.

**SKILLS:** PHP, C#/.NET Framework, Angular 2+, HTML/CSS/JS, Allen-Bradley Controllogix, Java, Labview  
Git, JIRA, Ubuntu with Apache 2, Windows Server 2016