

Alexander Kafer

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SUMMARY

Computer Scientist with 9+ years of professional programming experience, exceptional communication skills, strong work ethic, and a generalist that can be thrown on any project.

EDUCATION

University of Minnesota *Minneapolis, MN*

Expected Graduation May 2019

- B.S. Computer Science, Minor Product Design
- 3.87 GPA, Dean's List Every Semester

Maple Grove Senior High *Maple Grove, MN*

September 2013-June 2016

- Maintained a grade point average of 4.048
- AP Science and Math Student of the Year
- AP Scholar with Distinction
- National Honor Society Officer

Massachusetts Institute of Technology Launch Program

July 2015-August 2015

Cambridge, MA

- Developed a working prototype by using the resources of the MIT ProtoWorks laboratory
- Sold 84 preorders resulting in over \$1,200 in initial revenue for my product (electrove.alexkafer.com)

SKILLS

Experienced in Swift, Java, C#, Javascript (+TS), HTML, CSS, Python, Web Services (DNS, AWS), Full MEAN stack, C/C++, MongoDB, PHP, Git, MATLAB, Ruby

Familiar with OCaml, LABView, React.JS, OpenCV, Ruby on Rails

EXPERIENCE

Polaris Industries *Rider Experience Technology Intern*

May 2017-Present

- Implemented and styled features for the Ride Command web portal within an **agile** development team
- Enhanced existing automated Selenium (+ NUnit) UI tests by 60% speed increase with high code coverage
- Spearheaded deployment of the entire testing suite to nightly tests running on Browser Stack.
- Created a health dashboard to measure usage and crash statistics for the Polaris Ride Command system

Turck Inc *Test Engineering Intern, iOS Developer*

June 2016-September 2016

- Developed a web platform that displayed and stored continuous data from various sensor tests
- Documented code and produced a in-depth user manual to ensure future usability
- Developed a health care iOS app for employees to access health related resources
- Implemented a custom content management system based off of Firebase

USA Softball *Freelance Developer*

January 2017-Present

- Modernized an existing code base (CodeIgniter in PHP), completely redesigning the UI.
- Migrated MySQL database from HostGator to AWS RDS (paired with Elastic Beanstalk)

TEDxUMN, Hanson Motorsports, EntitleMN, Crimson Robotics, National Honor Society

- Designed and Managed a number of websites ranging in needs, load, and complexity.

ACTIVITIES

Tesla Works *Outreach Coordinator*

November 2016-Present

- Ran the weekly general meetings with roughly 100-150 people in attendance
- Coordinated recruitment booths, social media campaigns, and project resources

FIRST Robotics Team *Outreach Officer, Head Programmer*

September 2013-June 2016

- Established 8 FIRST LEGO League (FLL) robotics teams within every middle schools in ISD 279
- Secured \$10,000+ in funding for middle school and high school robotics programs
- Implemented control loop feedback mechanisms (PID Loop) for complex drive algorithms
- Won a Regional Chairmans Award (Outreach) and two Innovation in Control Awards (Programming)