Karthik Bhandarkar

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OBJECTIVE

Seeking a summer 2017 internship in Software Engineering.

EDUCATION

University of Michigan **Ann Arbor, MI**
College of Engineering - Bachelor of Science in Computer Science *April 2019*
GPA: **4.0/4.0**
    <u>Relevant Coursework</u>: Advanced Object Oriented Programming (EECS 381), Programming Data
    Structures and Algorithms (EECS 281), Computer Organization and Architecture (EECS 370)

Detroit Country Day High School **Beverly Hills, MI**
GPA: **4.0/4.0** *May 2015*

SKILLS

Computer Languages: C/C++, Java, MATLAB
Software: Git, Linux, Altium Designer, R/R Commander

PROJECT EXPERIENCE

University of Michigan Solar Car Team **Ann Arbor, MI**
2016 Race Crew – Electrical Division *Sep. 2015–Present*
- Winner of 2016 American Solar Challenge: Finished 2000-mile race in 48 hours and won by 10 hours.
- Developed C++ code creating ability to change motor configuration, enable radio communication, and set cruise control directly from the steering wheel, improving driver focus and control.
- Programmed battery management system that alerted driver in event of battery overvoltage/overcurrent and actively isolated high voltage components to ensure driver safety and battery protection.
- Designed supplementary battery system that automatically powered low voltage system, prevented full power loss, and allowed transmission of sensory data during high voltage battery failure.

Detroit Country Day FIRST Robotics Team **Beverly Hills, MI**
Captain and Lead Programmer *Sep. 2011 – May 2015*
- Designed and built robots to perform tasks such as shooting basketballs, launching Frisbees, and climbing steel pyramids.
- Developed an image processing program in Java to automatically target and align robot to the goal.

ACTIVITIES

University of Michigan Indian American Student Association **Ann Arbor, MI**
Member *Sep. 2015-Present*
- Performed in student-run, multicultural dance show with over 250 dancers in front of 4000 people to raise money for Asha Kiran, a charity focused on education for underprivileged children.
- Participated in community service projects with the Natural Area Preservation Association to contribute toward the restoration of the Ann Arbor community.

Eta Kappa Nu (HKN) **Ann Arbor, MI**
Electrical Engineering and Computer Science Honors Society *Sep. 2016-Present*
- Tutored 2-3 students each week in first and second year computer science courses.
- Organized student-faculty mixer in order to increase collaboration and interaction between students and professors in the Computer Science department.

ADDITIONAL

- High school varsity tennis doubles player: winner of 2014 Michigan State Championship.
- 12 years of classical piano experience: 12 superior ratings at Michigan Federation of Music Clubs.