

# Prakash Kumar

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CONTACT INFORMATION Phone: (248) 882-2897 Github: <https://www.github.com/pkash16>  
Email: prakashk@umich.edu

EDUCATION **University of Michigan**, Ann Arbor, MI  
*B.S., Computer Engineering* Sep 2016 – May 2020  
*Current Cumulative GPA: 3.70/4.00*

PROFESSIONAL EXPERIENCE **HealthPals**, San Francisco Bay Area, CA  
*Software Engineering Intern* May 2017 – August 2017  
Aided the engineering team in the development of the CLINT product(developed in python and react.js), designed to give value based care to clinicians at the point of care in regards to cardiovascular disease through the use of risk breakdowns and published guidelines.

- Helped strengthen the capabilities of the medical content engine to handle complex medical rules and guidelines
- Built a population dashboard that handled several thousand anonymous patient records while providing useful analysis on patients' risk for cardiovascular disease and what guidelines they could follow to potentially decrease their risk.

**Internet of Things Home Automation**, Northville, MI  
*Lead Hardware Engineer* Aug 2015 – Jun 2017  
Developed a RESTful API for my personal garage using Twilio, Node.js and a Raspberry Pi. Controlled garage via a web application, text message, or android application for easy access to the house.

**Loven Systems**, Northville, MI  
*Software Engineering Intern* Jul 2015 – Aug 2015  
Worked with cleaning and manipulating large amounts of data using python, javascript, scala and more. Worked with several sentiment analysis and machine learning APIs.

**Microsoft Build Camp**, Sunnyvale, CA  
*Student* Mar 2013 – Apr 2014  
Developed various web applications using HTML5, CSS, JQuery, Node.js and Angular.js including an application that gives a user a live, dynamic news feed on a map and launched them onto Microsoft Azure.

**Mobile Application Development**, Northville, MI  
*Software Engineer* Jan 2014 – Aug 2014  
Developed and launched "Psychoblocks", a video game for the android platform using Java and the Libgdx crossplatform library. Used Google Play Game Services to connect data to Google Servers.

**Blind Sensor Navigation**, Northville, MI  
*Lead Hardware Engineer* Nov 2013 – Jun 2014  
Built a device running on an ATmega328p microcontroller that helps a visually impaired individual navigate around their surroundings. Received 1st place IEEE award at the 2014 Science and Engineering Fair of Metro Detroit.

LEADERSHIP Music Director of Maize Mirchi A Cappella, a South Asian interest a cappella group on campus. President of the Bursley Hall Council, managed funds, sponsored local organizations and led community events for the benefit of residents.

PROGRAMMING EXPERIENCE *Languages:* Python, Javascript(node.js, angular.js, react.js), CSS, C++, C#, Unity, Bash, L<sup>A</sup>T<sub>E</sub>X  
*Data Technology:* Redis, SQL, MongoDB