

# Markan Patel

website [markanpatel.me](http://markanpatel.me)  
github [github.com/cooltoast](https://github.com/cooltoast)  
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## Education

**Bachelor of Science**, University of Michigan, Ann Arbor

Dec 2015

GPA: 3.6 · Biomedical Engineering · Computer Science Minor

## Technical Skills

**Proficient in:** Python, JavaScript, Android, C++, C, HTML/CSS, MATLAB, Git

**Familiar with:** Java, Ruby, Arduino, Bash, Django, Flask, Node.js, AngularJS, Express, SQL, MongoDB

**Certified in:** HIPAA for Business Associates

## Experience

**Software Engineer**, PicnicHealth

Aug 2016-Present

Using complete medical record data for better patient experiences and real-world clinical outcomes. [picnic.ai](http://picnic.ai)

**Software Engineering Intern**, Augmedix

May-Aug 2015

Designed & built end-to-end Mobile Device Management solution for [Augmedix's health record documentation service](#) that streams patient visits to medical scribes via Google Glass. Implemented solution with Google Cloud Messaging, thus enabling the company to remotely control and monitor hundreds of Google Glass units, and helping doctors better use the Augmedix Android app so they spend less time charting health records and more time engaging with patients.

**Codebase Manager**, Michigan Hackers

Sep 2014-Present

Developing and maintaining open-sourced university related websites and mobile apps. [github.com/michiganhackers](https://github.com/michiganhackers)

**Software Engineering Intern**, Neposity

May-Aug 2014

Worked on WebGL & JavaScript based DICOM medical image viewer at [beta.jackimaging.com/demo](http://beta.jackimaging.com/demo). Built a [RESTful API](#) with Python Tornado Web Server to upload/download medical images.

**Software Developer Intern**, Wireless Information Network Lab, Rutgers University May-Aug 2013

Created [CannyCam](#), an image detection Python & OpenCV program using Canny Edge Detection and Haar Cascades to isolate and detect anatomical parts. Worked on [FaceRecHUD](#), an Android app using a MOD LIVE Heads Up Display and Android phone to [recognize faces](#) from a training set database and display relevant information, e.g. name and age.

## Projects

**Where Is My Child**, Personal Project

2014-2015

Tracking a trip with the Google Maps API. Created Android app to send coordinates to Node.js app that stores and displays them on a map using the Google Maps API. Developed Google Glass app that displays miniature map of most recent GPS coordinate on a Glass live card. [github.com/cooltoast/where-is-my-child](https://github.com/cooltoast/where-is-my-child)

**MHacks Website**, Michigan Hackers

Sep-Nov 2014

Helped build the MHacks 5 hackathon website at [mhacks.org](http://mhacks.org) using a MEAN stack. Developed the back-end API for iOS and Android apps to fetch hackathon data, sanitize user input, and manage unit tests for models.

**Lost In Translation Twitterbot**, Personal Project

Nov 2014-Present

Created a Twitterbot that scrapes famous quotes from [goodreads](http://goodreads), translates them from English to a random language and then back to English, and finally tweets the almost recognizable result. [github.com/cooltoast/LostInTranslationBot](https://github.com/cooltoast/LostInTranslationBot)

**Right4Left.com**, Personal Project

2011-Present

Created website with Ruby on Rails for sharing my experiences in learning to play left-handed tennis. Currently developing an application with Android for logging and tracking training sessions. [github.com/cooltoast/Right4Left](https://github.com/cooltoast/Right4Left)