

# Shashank Saxena

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## Education

### University of Illinois Urbana-Champaign

B.S. Computer Engineering Expected May 2018

## Skills

### Experienced With

HTML/CSS	VB.NET / C#
JavaScript	C
NodeJS	C++
SharePoint	UNIX

### Familiar With

Python	Java
MATLAB	Swift
NoSQL/SQL	

## Coursework

CS225	Data Structures
ECE220	Computer Systems & Programming
CS173	Discrete Structures
ECE120	Introduction to Computing

## Involvement

ACM	Reflections
IEEE	Projections
Illini Hyperloop	WebMonkeys

## Awards

BPA National Top 10 Finalist VB.NET Coding Competition

AP Scholar

National Honors Society  
Honors Distinction

## Experience

### Reconstruct, Research Internship (Software Engineering)

September 2016 - Present

- Researched under Professor Derek Hoiem regarding computer vision and machine learning.
- Worked on website that dealt with simulating 3D models of many images captured from drone. Used Node, three.js and GitHub

### AllState, Application Developer Intern

May 2016 - August 2016

- Maintained internal web applications and focused on automation of processing policy information
- Used C# and XML in Visual Studio along with SQL Server Management Studio with LINQ queries to access database information

### State Farm, Systems/IT Intern

May 2015 - May 2016

- Created a database application for incoming customers using VB.NET and Microsoft's Jet Engine
- Updated and completely reworked website for interns. Used MEAN stack, but focused on the frontend.

### DotStar, Project Manager

Aug 2015 - Dec 2015

- Selected for course staff for CS196: Honors section of Intro to CS
- Worked on Android app that would integrate various social networking accounts into a centralized location to easy sharing of information.
- Lead a team of freshman using Android SDK, Facebook, Twitter, and Instagram API

## Projects

### ticktagg Independent Project | <http://ticktagg.com>

- Created a web app that integrated various social media accounts into one location. Use NodeJS, Firebase, Express and Jade.

### AllState Hackathon 4th Place Winner

- Created smartwatch app that gets the status of your home.
- Used PebbleJS with AllState's IoT API

### UIUCUMTD Independent Project

- Pebble smartwatch app that gives users current status of nearby bus stops based on their current location
- Used CloudPebble and PebbleJS for creating the app
- Used the bus services's API to retrieve information about timings

### phoneify Open Source Contribution

- Created npm module that assists in parsing US phone numbers in different formats

### StateFarm Hackathon

- iPhone app that detects a "danger level" from a radial distance of a user's current location (restricted to Chicago)
- Worked on NodeJS backend server using ForecastIO's API and databases containing historical crime data for Chicago

### eParking Project Lead | <http://tiny.cc/ePark>

- Simulated a parking meter using a server to contain values stored in a database
- Mainly worked with Raspberry Pi to read values from server and update LED lights accordingly using Python and the Request library

Last Updated: September, 2016