Shashank Saxena

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Education

University of Illinois Urbana-Champaign
B.S. Computer Engineering *Expected May 2018*

Skills

Comfortable With

HTML/CSS	VB.NET / C#
JavaScript	C
NodeJS	C++
Firebase	UNIX
Raspberry Pi	Windows

Familiar With

Python	Java
MATLAB	Swift
Arduino	SharePoint

Coursework

ECE220 Computer Systems & Programming

CS173 Discrete Structures

CS225 Data Structures

Involvement

ACM	Reflections Projections
IEEE	
Illini Hyperloop	WebMonkeys

Awards

BPA National Top 10 Finalist VB.NET Coding Competition

AP Scholar

National Honors Society
Honors Distinction

Experience

State Farm, Systems Engineer Intern *May 2015 - Present*

- 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.

Illini Hyperloop Project http://illinihyperloop.com

- Designed the entire website for UIUC's hyperloop project.
- Used HTML5 and CSS3. Used FontAwesome for iconic hyperlinks, BootStrap, and theme from HTML5UP

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

Autonomous Vehicle

- Created a small autonomous car that followed a flashlight
- Circuitry involved Arduino Uno to control voltage and speed

Last Updated: Jan 27, 2016