Shashank Saxena

310 E Springfield Ave #511A - Champaign, IL - 61820
Phone: (847) 804-4128 | E-Mail: ssaxen4@illinois.edu
LinkedIn: www.linkedin.com/in/shank96
GitHub: Salil999 | shashanksaxena.me

Education

B.S. Computer Engineering, *University of Illinois Urbana-Champaign (2018)*
- Current: Sophomore

Hoffman Estates High School
- AP Scholar
- National Honor Society - Honors Distinction

Experience

State Farm, Systems Engineer Intern | May 2015 - Aug 2015
- LeadScape (see below)
- RDC Website Redesign (see below)

St. Alexius Medical Center, Gift Shop Manager | Aug 2010 - Feb 2014
- Store manager of the hospital's main gift shop
- Handled phone orders, cash register, inventory orders, and some delivery

Projects

eParking - [http://tiny.cc/ePark]
- *Project Lead*
- Simulated parking meter using a Flask server to contain values stored in database
- Raspberry Pi would read values from database and update LED lights accordingly (written in Python)

Danger Detector
- Created an iPhone application that detected a "danger" level from a radial distance from a dropped pin using Apple Maps
- Helped create the NodeJS backend server that iPhone would connect too
- Used ForecastIO API and a database containing historical crime data in Chicago

LeadScape
- Created a Windows application that would serve as an alternative to their current database management system
- The POC included two ROI calculators and a budget optimizer based on a complex mathematical formula
- Used VB.NET's Jet engine to handle MS Excel file support and reading/writing data

RDC Website Redesign [http://rdc.statefarm.com/]
- Used the MEAN stack to reimplement State Farm's internship website and add more features
- Replaced MongoDB with CouchDB, worked mainly on backend side

Autonomous Vehicle
- Created self-moving car that would follow a flashlight beam
- Circuitry involved use of Arduino Uno (RedBoard) to control voltage/power output

Skills

Programming Languages
- VB.NET, JavaScript, Java, Python, C, MATLAB

Web Development
- CouchDB, MongoDB, HTML, CSS

Achievements

Business Professionals of America (BPA)
- Created a contact book program that would sync data stored in an offline database
- National Finalist (top 10 out of approx. 40)

AP Scholar
- AP Scholar with Honor - 2013
- AP Scholar with Distinction - 2014