

## 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