

# Luke Walsh

me@lukewal.sh  
913.231.2322

<http://github.com/LukeWalsh>  
<http://lukewal.sh>

## Objective

Obtain a summer internship where I can apply technical, communication and leadership skills to difficult problems.

## Education

**Purdue University** **May 2015**  
Bachelor of Science in Computer Engineering, minor in economics  
GPA: 3.81/4.0  
Honors: Deans List, Honors Program, Presidential Scholarship and Computer Engineering Scholarship

## Projects

**Course Butler** **Summer 2013**  
*Web application (coursebutler.com)*

- Founded a service to notify students when seats open up in full classes
- Built from scratch on meteor, node.js, and mongoDB

**Outfitly** **Summer 2013**  
*Web application (outfit.ly)*

- Co-created a social shopping experience for outfits
- Constructed a pure backbone.js application with a Parse backend

**Moments** **Spring 2013**  
*iOS application (getmoments.co)*

- Coded an app in 36 hours to share life's little experiences through geo-located "moments"
- Project placed in top 10 at MHacks as a crowd favorite

## Experience

**MIT Lincoln Laboratory** **Summer 2013**  
*Undergraduate Fellow*

- Constructed C++ software components for a passive radar system
- Optimized proof-of-concept algorithms to allow them to run in real-time

**Air Force Institute of Technology** **May 2012 – May 2013**  
*Software Engineering Intern*

- Developed embedded satellite software in C++
- Programmed the frontend and backend of a website to control satellites
- Taught interactive software design classes to graduate students

**Hometown Fireworks** **2009 – 2011**  
*Location Manager*

- Implemented sales strategies that increased net sales by \$50,000

## Activities

**Purdue Hackers** **March 2013 – Present**  
*Founding President*

- Encouraging hacker culture and networking at Purdue through small and large scale events

**Sigma Tau Gamma** **March 2013 – Present**  
*Recruitment*

- Deliver sorority presentations and perform interviews to select men of high character

**Autonomous Aerial Vehicle Team** **August 2012 – Present**  
*Software Development*

- Prototyping an autonomous Quadrotor for rapid detection of explosives

**Engineering Honors Program** **August 2012 – Present**  
*Peer Mentor*

- Guide freshman honors engineers through the transition

**BEST Robotics** **2010 – 2011**  
*Team Founder & Captain*

- Fabricated a robot to operate in a simulated production facility, 17<sup>th</sup> in world championship

## Skills

Web application development/deployment, C/C++, Python, Bash, MATLAB, freeRTOS, Arduino