

# Wayne Crasta

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## Education

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### University of Illinois at Urbana-Champaign

Expected Graduation: May 2017

*Bachelor of Science, Computer Engineering*

GPA: 3.43/4.00

- Dean's List: Spring '15, Fall '15
- Phi Sigma Theta National Honor Society
- Relevant Courses: Data Structures, Distributed Systems, Computer Operating Systems Engineering, Analog Signal Processing, Digital Systems Lab, UI Design, Probability with Engrg Applic

Fall '15 GPA: 3.87

## Work Experience

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### ViaSat Inc.

May 2015 – August 2015

*Software Engineering Intern*

- Member of an intern team that made multiple deliveries of production code to support the Exede inflight WiFi for Virgin America and other airlines (Docker, Elasticsearch, Logstash, Kibana, RabbitMQ)
- Created an API that interfaced with the production code and MySQL Databases (CherryPy, SQLAlchemy)
- Went through Software Development Life Cycle (Project Charter, Interface Control Documents, Unit Tests)

### University of Illinois at Urbana-Champaign

August 2015 - Present

*Research Assistant*

- Performing studies of several network devices and software platforms that make up the Internet

### Restaurant Polling web app

Summer 2016

- In 24 hours, created a restaurant polling app using the Yelp API, CherryPy, and SQLAlchemy

### Santa's ELFs

Spring 2015

- Made a winter-themed clone of Atari's Breakout in SystemVerilog with an FPGA

### 360° Maneuverable Photo-tracking Automaton

Spring 2014

- Wired a cart attached to an Arduino to react to different light levels
- Used professional CAD software on engineering workstations for schematic capture and simulation of small digital circuits

## Leadership and Activities

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### Engineering Council

Champaign, IL

*Social Committee Executive Board*

May 2015 – Present

### Illini Pride Executive Board

Champaign, IL

*Events & Philanthropy Chair; Largest Student Organization on Campus*

April 2014 – May 2015

### Sports Analytics Society

Champaign, IL

*Webmaster*

September 2014 – Present

Other Campus Involvement: ACM SigSoft – Software Engineering, SigMobile – Mobile Development, IEEE, Engineering Freshman Committee Social Committee

## Skills

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- Proficient in Python, C++, C, and LC3 Assembly
- Familiarity with Linux, Agile Methodologies, Git, Confluence, JIRA, Jenkins-CI, and MariaDB, PyTest