

# Ryan Madden

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Permanent Address:  
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## **EDUCATION**

**Northwestern University**, Evanston, IL  
**McCormick School of Engineering and Applied Science**

Bachelor of Science in Computer Science

Expected Graduation: June 2017

Cumulative GPA: 3.92/4.00

**Relevant Courses Include:** Data Structures and Management, Introduction to Computer Systems, Natural Language Processing, Mathematical Foundations of Computer Science, Design Thinking and Communication

**Lakeside High School**, Seattle, WA

**Sep 2009 – Jun 2013**

Cumulative GPA: 3.8/4.0

SAT: 2310/2400 Math: 800 Reading: 740 Writing: 770

AP: Calculus BC (5), Chemistry (4), Computer Science A (5), Physics C: E&M (5), Physics C: Mech. (5), Spanish (4)

## **PROJECT EXPERIENCE**

**Derby Days Philanthropy Website**

- Designed and developed responsive site with PHP and Twitter Bootstrap.
- Utilized the Stripe API to collect over \$4,000 in donations.

**Tweet Analyzer**

- Wrote python script to analyze two million tweets from the Golden Globe awards.
- Used natural language processing to identify hosts and award winners with 100% accuracy.

## **SKILLS**

**Languages:** Java, C++, C#, JavaScript (jQuery), HTML, CSS, Matlab, Assembly

**Tools:** Git, Unix & CLI

## **EMPLOYMENT**

**KPFF Consulting Engineers – Seattle, WA**

**Jun 2013 – Aug 2013**

Engineering Intern – 30 hrs/week, paid

- Worked directly with licensed civil engineers on Sound Transit East Link Light Rail design.
- Created turning templates for test vehicles and drafted roadway plans using AutoCAD.

## **LEADERSHIP**

**Sigma Chi Fraternity, Omega Chapter**

**March 2014 – Current**

Executive Committee Member and Housing Manager

- Managed a \$12,000 budget and organized improvements to the fraternity house.