

# Evan 'Pete' Walsh | CV

Iowa State University – Department of Statistics

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Third-year graduate student pursuing a co-major PhD in Statistics and Mathematics.

## Education

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- **Iowa State University** **Ames, IA**  
*Pursuing PhD in Statistics and Mathematics (co-major)* *August 2014 – Present*  
Overall GPA: 3.86 / 4.00
- **St. Lawrence University** **Canton, NY**  
*Bachelor of Science (B.S.), Mathematics (with honors)* *August 2010 – May 2014*  
Major GPA: 3.95 / 4.00
- **East China Normal University** **Shanghai, China**  
*Semester Abroad, Mandarin Chinese and Economics* *Spring 2013*

## Academic Experience

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### Iowa State University.....

- **Research Assistant**  
**AFLEX** *Spring 2016 – Present*  
An interdisciplinary approach using machine learning and natural language processing to develop an Automated Functional Language EXtraction (AFLEX) system to transform the translation of STEM research to society; funded by NIH, working with Dr. Kris De Brabanter.
- **Instructor**  
**STAT 105** *Spring 2016*  
Intro Stat for Engineering Students (online section)
- **Instructor**  
**STAT 101** *Spring 2015*  
Principles of Statistics
- **Lab Instructor**  
**STAT 326** *Fall 2014, Fall 2015*  
Business Statistics II
- **Lab Instructor**  
**STAT 101** *Fall 2014*  
Principles of Statistics

### St. Lawrence University.....

- **Research Assistant**  
**Analysis of River Data** *Fall 2013 – Spring 2014*  
Assisted the Chemistry Department in analyzing and visualizing data using R.

- **Peer Mentor**  
*Quantitative Resource Center* *Fall 2012 – Spring 2014*  
 Tutored other students and occasionally ran workshops in mathematics, computer science, statistics, and economics.

## Honors and Awards

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### Iowa State University.....

- **2nd Place - prudsys 2015 Data Mining Cup** *Spring 2015*  
 The Data Mining Cup, hosted by prudsys AG, is an international data mining competition for universities. In 2015, a total of 188 teams from 48 countries participated in the challenge which involved predicting coupon usage rates and basket values for real customers of an online shop. Our predictions landed us 2nd overall and we were invited to Berlin to present our results.

### St. Lawrence University.....

- **Honors in Mathematics** *May 2014*
- **Magna Cum Laude** *May 2014*
- **NCAA Liberty League All-Academic Team** *Fall 2010, Fall 2011, Fall 2012*

## Computer Skills

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- **General Programming:** Competent with Python; some experience with C, C++, and Java.
- **Data Specific Programming:** Proficient with R and Python (pandas, sklearn, numpy, etc.).
- **Presentation / Visualization:** Experienced with  $\text{\LaTeX}$ , HTML5, CSS3, and various R libraries such Shiny, ggplot2, ggvis, and RMarkdown.
- **Workflow:** Frequently use Git, Vim, and other command line tools; knowledge of basic Bash scripting.
- **Operating Systems:** Most comfortable in a Unix or Linux environment.

## Coursework

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Iowa State University.....

Department	#	Description	Semester
MATH/STAT	642	Advanced probability theory	Spring 2016
MATH	516	Real analysis II	-
MATH	511	Theory of functions of a single complex variable	-
MATH/STAT	641	Foundations of measure and probability theory	Fall 2015
MATH	515	Real analysis I	-
MATH	501	An introduction to real analysis	Summer 2015
STAT	580	Statistical computing with C (audit)	Spring 2015
CS	573	An introduction to machine learning	-
STAT	543	Theory of probability and statistics II	-
STAT	510	Statistical methods II	-
STAT	579	Statistical computing with R	Fall 2014
STAT	542	Theory of probability and statistics I	-
STAT	500	Statistical methods I	-