Evan P. Walsh

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Department of Statistics	**Department of Mathematics**
Iowa State University	Iowa State University
2410 Snedecor Hall	244 Carver Hall
Ames, IA 50011	Ames, IA 50011

EDUCATION

Iowa State University, Ames, IA   August 2014 - Present
Pursuing PhD, Statistics and Mathematics (co-major)
Overall GPA: 3.84/4.00

St. Lawrence University, Canton, NY   August 2010 - May 2014
Bachelor of Science (B.S.), Mathematics (with honors)
Major GPA: 3.95/4.00

East China Normal University, Shanghai, China   Spring 2013
Semester abroad, Mandarin Chinese and Economics

ACADEMIC EXPERIENCE

Research Assistant
Iowa State University Department of Statistics
- 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
Iowa State University Department of Statistics
- STAT 101 - Principles of Statistics ....Spring 2015
- STAT 105 - Intro Stat for Engineering (online section) ....Spring 2016

Lab Instructor
Iowa State University Department of Statistics
- STAT 101 - Principles of Statistics .... Fall 2014
- STAT 326 - Business Statistics II .... Fall 2014, Fall 2015

HONORS AND AWARDS

prudsys Data Mining Cup - 2nd place, *Iowa State University* ....June 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 custumers of an online shop. Our predictions landed us 2nd overall and we were invited to Berlin to present our results.*

Honors in Mathematics, *St. Lawrence University* .... May 2014
Magna Cum Laude, *St. Lawrence University*   -
NCAA Liberty League All-Academic Team (Men's Soccer),
St. Lawrence University ....Fall 2010, Fall 2011, Fall 2012

RELEVANT COMPUTER SKILLS

General programming: Competent with Python 2.*; some experience with C, C++, and Java
Statistics: Proficient with R and Python (pandas, sklearn, numpy, etc.)
Presentation: Experienced with LaTeX, HTML5, CSS3, and the R Shiny framework
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
» You can find many of my recent projects at `github.com/epwalsh`

ORGANIZATIONS

Efficient Computing Workflow (ECW) working group, *Co-founder* .... Spring 2016 - Present
Institute of Mathematical Statistics, *Member* .... October 2014 - Present
American Statistical Association, *Member* .... October 2014 - October 2015
Iowa State STAT-ers, *Member* .... August 2014 - August 2015
StatCom, *Consultant* .... October 2014 - June 2015
Pi Mu Epsilon National Mathematics Honorary Society, *Member* .... February 2012 - May 2014
St. Lawrence University Crown Royalty Investment Club, *Senior Analyst* .... August 2013 - May 2014
St. Lawrence University Men's Soccer, *Midfielder* .... August 2010 - November 2012

RELEVANT COURSEWORK

Iowa State University
- MATH/STAT 642 - Advanced Probability Theory .... Spring 2016
- STAT 547 - Functional Data Analysis (Audit)   -
- MATH 516 - Real Analysis II   -
- MATH 511 - Complex Analysis   -
- MATH/STAT 641 - Foundations of Probability Theory .... Fall 2015
- MATH 515 - Real Analysis I   -
- MATH 501 - Introduction to Real Analysis .... Summer 2015
- STAT 580 - Statistical Computing with C (Audit) .... Spring 2015
- CS 573 - 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   -