Evan P. Walsh

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Department of Statistics
Iowa State University
2414 Snedecor Hall
Ames, IA 50011

Department of Mathematics
Iowa State University
244 Carver Hall
Ames, IA 50011

EDUCATION

Iowa State University, Ames, IA — August 2014 - Present
Pursuing PhD, Statistics and Mathematics (co-major)
Overall GPA: 3.85/4.00

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

2nd Place - prudsys 2016 Data Mining Cup *Iowa State University* ..... June 2016

» *The Data Mining Cup, hosted by prudsys AG, is an international data mining competition held each year for universities. The 2016 challenge asked teams to predict return rates of items purchased from an online shop. Out of 120 teams from 30 different countries, our solution landed us in 2nd place. We were invited to Berlin to present our results at the prudsys personalization summit for retail.*

2nd Place - prudsys 2015 Data Mining Cup *Iowa State University* ..... June 2015

» *In 2015, a total of 188 teams from 48 countries participated in the Data Mining Cup, which involved predicting coupon usage rates and basket value for real costumers of an online shop. We were invited to Berlin to present our 2nd place solution.*

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: Proficient with Python; some experience with C, C++, and Java
Scientific computing: Proficient with R and Python (pandas, sklearn, numpy, etc.)
Databases: Some experience managing and utilizing MongoDB databases
Presentation / web development: Proficient with LaTeX, HTML5, CSS3, and the R Shiny framework; some experience with Flask
Workflow: Proficient with Git, Vim, and other command line tools; knowledge of basic Bash scripting
Operating systems: Cozy in a Unix or Linux environment

» You can find many of my recent projects at `github.com/epwalsh`

ORGANIZATIONS

American Mathematical Society, *Member* ..... April 2016 - Present
Efficient Computing Workflow (ECW) working group, *Co-founder* .....February 2016 - April 2016
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

GRADUATE COURSEWORK

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	-