April Tuesday Shen

Contact

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Education

Williams College
Williamstown, MA

B.A., 2013, Magna Cum Laude (GPA 3.92)
Mathematics and Computer Science
Advisor: Andrea Danyluk
Thesis: "Prototype Support Vector Machines:
  Supervised Classification in Complex Datasets"

Academic Experience

University of Washington
Seattle, WA

Graduate Research Assistant, 2013 - 2014
As part of the Computer Science and Engineering PhD
  program, worked on intelligent structured
  visualizations of photo collections focusing on
  social relationships.
 Advised by Carlos Guestrin, Ira
  Kemelmacher-Shlizerman.

Williams College
Williamstown, MA

Teaching Assistant, 2010 - 2013
CSCI 136: Data Structures and Advanced
  Programming. Taught by Jeannie Albrecht, Duane
  Bailey, Morgan McGuire.
MATH 106: Multivariable Calculus. Taught by Colin
  Adams.

Williams College
Williamstown, MA

Research Assistant, summer 2010
Worked on Nebula, a GUI for the distributed systems
  testbed PlanetLab. Advised by Jeannie Albrecht.

Industry Experience

Import.io
London, UK

NLP and Backend Engineer, Dec. 2015 – present
Research and development on deep learning algorithms for automated web data extraction, plus backend work integrating the algorithms into a microservices architecture.

Translations.com
Corvallis, OR

Localization Engineer, Feb. 2015 – Nov. 2015
Scripting and other technical work for digital translation and localization.

Google
Los Angeles, CA

Software Engineering Intern, summer 2014
Machine learning algorithm development and testing for Brand team.

Google
Cambridge, MA

Software Engineering Intern, summer 2012
Front-end development for Google+.

Stroz Friedberg
Boston, MA

Digital Forensics Intern, summer 2011
Client work in forensics and electronic discovery.

Computer Skills

Programming languages
Proficient: Java, Python, C++
Intermediate: Scala, Javascript, HTML/CSS, MATLAB, C, Lisp, ML

Other skills
Version control systems (Git, Perforce, Subversion)
Python data analysis ecosystem (NumPy/SciPy, Pandas, Scikit-learn, Matplotlib)
Some experience with Apache Spark and AWS

Awards and Honors

Achievement Rewards for College Scientists Fellowship, 2013 - 2016
Marilyn Fries Endowed Regental Fellowship, 2013 - 2014
Sam Goldberg Colloquium Prize in Computer Science, 2013
Sigma Xi Scientific Research Society, 2013
Phi Beta Kappa Honor Society, 2012
Budapest Semesters in Mathematics, 2012

Williams Computer Science Student Advisory Council, 2010 - 2012
NSF Scholarship to Grace Hopper Celebration of Women in Computing, 2010
Carleton Summer Mathematics Program for Women Undergraduates, 2010
Williams College Tyng Scholarship, 2009 - 2013
National Merit Scholarship (sponsored by Battelle), 2009 - 2013

Publications

Shen, April and Danyluk, Andrea. Prototype SVMs: Supervised Classification in Complex Datasets. Workshop on Solving Complex Machine Learning Problems with Ensemble Methods (COPEM 2013), held at ECML/PKDD 2013.