

Mark Heimann

Algorithmia
999 3rd Avenue, Suite 3400
Seattle, WA 98104

Phone: 724-713-3476
Email: mheimann@umich.edu

Education

Fall 2015– 2013-2015	Ph.D. student, Computer Science , <i>University of Michigan</i> , Ann Arbor, Michigan, USA. M.S., Computer Science , <i>Washington University in St. Louis</i> , St. Louis, MO, USA. Graduate Certificate in Data Mining and Machine Learning.
2011-2015	A.B., Economics and Mathematics <i>cum laude</i> with high distinction in economics, <i>Washington University in St. Louis</i> , St. Louis, MO, USA.

Experience

Summer 2015	Software Engineer Intern , <i>Algorithmia</i> , Seattle, WA, USA.
2014-2015	Teaching Assistant , <i>Washington University in St. Louis</i> , St. Louis, MO, USA. Held office hours and lab sessions, graded, and answered students' questions for Introduction to Machine Learning (CSE 417A), Multi-Agent Systems (CSE 516A), and Fair Division in Theory and Practice (CSE/Pol Sci 245A).
Summer 2014	Research Assistant , <i>Harvey Mudd College</i> , Claremont, CA, USA. Used techniques from machine learning and formal language theory to improve computer generation of original jazz solos. Wrote up contributions as a Java implementation for Impro-Visor, an open-source software program for jazz improvisation, and a working paper, as well as a poster presented with the rest of the Impro-Visor team. NSF REU program.
Summer 2013	Research Assistant , <i>University of North Carolina at Greensboro</i> , Greensboro, NC, USA. Proved previous conjectures and new results about subword complexity of partial words, a problem studied in mathematics and computer science with applications to fields such as computational biology. Wrote up results in a working paper. NSF REU Program.
Summer 2012	Student Intern , <i>Washington University School of Medicine</i> , St. Louis, MO, USA. Studied biostatistics at the interdisciplinary graduate level through the NHLBI's SIBS program and used R to apply these methods to biomedical datasets as part of an accompanying practicum.

Honors & Awards

2015	Adam Smith Prize for Excellence in Economics , <i>Washington University in St. Louis</i> . Presented to one undergraduate in the economics department each year for writing an outstanding senior thesis. Thesis title: "Motivating Present-Biased Agents to Complete Tasks."
2011-2015	Arnold J. Lien Scholarship , <i>Washington University in St. Louis</i> . Four-year full-tuition merit scholarship, awarded to up to four incoming freshmen each year who demonstrate academic potential particularly in the social and behavioral sciences.

Technical Skills

Reasonably proficient in: Java, Python.
Moderate experience with: C++, R, MATLAB, Mathematica.
Limited exposure to: SAS, STATA, SPSS. Objective C, HTML, CSS.