

<b>Education</b>	Bachelor of Science, Computer Science University of Illinois at Urbana-Champaign Expected Graduation: December 2015, GPA: 3.6
<b>Experience</b>	<div>KPCB Engineering Fellow, Software Engineering Intern Summer 2015 <i>LendingClub</i>, San Francisco, CA<ul style="list-style-type: none"><li>• Built a platform for management, execution, and consolidation of diagnostic scripts across the company</li><li>• Project consisted of a RESTful service backend in Java and a frontend in Node.js</li></ul></div> <div>SPIN Research Fellow Fall 2014 - Spring 2015 <i>National Center for Supercomputing Applications</i>, Urbana, IL<ul style="list-style-type: none"><li>• Built a data pipeline for detection of sources in astronomical images</li><li>• Explored and implemented sampling algorithms to aid in the source detection stage</li><li>• Designed and analyzed algorithms for detection of sources in sampled points</li></ul></div> <div>Software Engineering Intern Summer 2014 <i>The Climate Corporation</i>, San Francisco, CA<ul style="list-style-type: none"><li>• Worked on core climatology team at the intersection of research and engineering</li><li>• Took probabilistic precipitation reconstruction model from research to production</li><li>• Achieved 20x speedup in learning parameters of model</li><li>• Optimized code for memory efficiency and added parallelism to fully utilize CPUs</li><li>• Packaged and deployed model on EC2 to run reconstructions on 22 states and 60 years of data</li></ul></div>
<b>Projects</b>	<div>Music Genre Classifier<ul style="list-style-type: none"><li>• Worked on a project to classify music into three genres: Rap, Rock, and Country</li><li>• Implemented and tuned various features and algorithms to improve the performance of the system</li></ul></div> <div>Distributed Key Value Store<ul style="list-style-type: none"><li>• Wrote a distributed key value store in C++ with support for CRUD operations</li><li>• System was built and tested to withstand multiple failures of nodes</li></ul></div> <div>Topic Modelling of Job Postings<ul style="list-style-type: none"><li>• Pulled 17000 job listings for various cities from Indeed</li><li>• Utilized Amazon Mechanical Turk to transcribe data from job posting to uniform format</li><li>• Currently applying LDA and NMF in topic identification to try and identify what common skills sets are wanted in the job market</li></ul></div>
<b>Skills</b>	Languages (ordered by experience): Python, Java, Scheme, JavaScript, R, C++ Tools: git, pdb, gdb Technologies: Linux, NumPy, SciPy, Pandas, Scikit-learn, Spring, MongoDB, jQuery
<b>Coursework</b>	Machine Learning, Database Systems, Algorithms, Linear Programming, Graph Theory, Numerical Methods, Applied Regression and Design, Data Structures