

WORK EXPERIENCE	Jan. 2014 -	DoorDash (YC S13) – first engineer (fullstack)
	Dec. 2014	<ul style="list-style-type: none"> • Joined company post-seed and helped expand it to a Series A, 50 employees, and four U.S. cities • Contributed to growing the engineering team to 10 members and leading data-centric efforts • Created the core real-time restaurant order preparation time prediction algorithm • Managed intern through design, implementation, and optimization of machine learning infrastructure • Spearheaded frontend codebase transition to AngularJS • Worked on projects such as the driver scheduler interface, fleet load and demand prediction engine, and consumer-facing ETA estimation algorithm • Architected in-house Elasticsearch framework, integrating with Django REST Framework JSON serializers
	June 2013 -	thinkster.io – cofounder, author
	Dec 2013	<ul style="list-style-type: none"> • Launched thinkster.io, an extremely popular technical curriculum site • Authored “A Better Way to Learn AngularJS” and “ngFantasyFootball AngularJS Tutorial”, the original cornerstone site resources upon which the site’s freemium model was constructed
	Jan. 2013 -	Element Knowledge – engineer (fullstack)
	May 2013	<ul style="list-style-type: none"> • Architected Carbon, a social platform for open knowledge dissemination and consumption • Constructed backend product features such as a real-time infinite scroll feed (Redis) and a Wikipedia article-based topic association and pagerank autocomplete engine (Neo4j, Elasticsearch)
	June 2012 -	ClassConnect/Claco – engineer (fullstack)
	Dec. 2012	<ul style="list-style-type: none"> • Architected Claco, an invite-only platform enabling K-12 educators to discover, create, share, and version control educational content and lesson plans, with over 25,000 educator signups • Constructed backend product features such as a NoSQL document pseudo-filesystem and version control system (MongoDB) and a computer vision-based intelligent thumbnail generator
	Aug. 2011 -	Artisan Scientific – engineering technician
	May 2012	<ul style="list-style-type: none"> • Repaired, refurbished, and tested industrial, commercial, and military (ITAR inclusive) instrumentation, which involved analyzing, reverse-engineering, and debugging complex circuits
PUBLICATIONS	May 2011 -	Allstate Insurance – application developer intern (fullstack)
	Aug. 2011	<ul style="list-style-type: none"> • Worked primarily on frontend within a team of interns to spearhead development of the Work Intake and Labor Management Application (WILMA) to stand alongside NextGen, Allstate’s claims-processing system
	Dec. 26, 2014	<i>AngularJS Web Application Development Cookbook</i> (paperback, 346 pages) – Packt Publishing
	Nov. 13, 2014	<i>What Lies Ahead for AngularJS</i> (webcast) – O’Reilly Media
	Mar. 5, 2014	<i>Learning AngularJS</i> (video series) – O’Reilly Media
TECHNICAL EXPERIENCE	Web Development	JavaScript (AngularJS, NodeJS), Python (Django/REST Framework), Ruby (Rails), PostgreSQL, MongoDB, MySQL, Heroku, AWS, Elasticsearch, Neo4j, Redis, HTML5, CSS3, PHP, C#, .NET
	Other Languages	C, C++, Java, Mathematica, Matlab, Processing/Arduino, OpenCL, VHDL, x86
	Miscellaneous	Git, AMD Fusion, Intel, Altera FPGA, Atmel AVR, TI MSP430 & OMAPL, MS Office Suite, Photoshop, Autodesk Inventor, Pro/Engineer Wildfire, Eagle CAD, Mentor Graphics HDL Designer, Quartus
EDUCATION	Class of 2012	University of Illinois Urbana-Champaign, B.S. Computer Engineering James Scholar
COURSEWORK	ECE	Robotics, Mechatronics, Control Systems, IC Fabrication, Computer Security (NSTISSI-4011), Linux Systems Engineering, Solid State Design, Electromechanics, Communication Networks, Databases
	General	CAD Drafting, Static Mechanical Systems, Statistics
ACTIVITIES		<ul style="list-style-type: none"> • Sierra Club Outings Leader • Marathon runner • EOH 2012 Exhibitor, “Exploring the Versatility of Arduino: Beer Pong Robot and VU Meter Table”