LEAH HANSON

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TECHNICAL	EXPERIENCE
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Editividite Etti EttiEtteE			
Participant, Recurse Center	New York City	Aug 2016 – Nov 2016	
Participated in a 12 week self-directed programming works Solved Project Rosalind problems Explored details of the Haiku Vector Icon Format Paired on optimizing the performance of a Go game impler Paired on understanding and parsing bplists Implemented the Raft consensus algorithm Worked through parts of a Statics and a Linear Algebra te Paired on building a neural network to generate text in the	mentation xtbook	Go C++ Python C Go Math Python, Tensorflow	
Software Engineer, Stripe	Redmond, WA (remote)	July 2015 – July 2016	
Refactored and updated legacy deployment infrastructure Wrote indexers for internal documentation search		Ruby Elastic Search, Ruby	
Software Engineer, Google	${\bf Madison,WI}$	Feb 2014 – Feb 2015	
Made networks go fast		C++	
Research Assistant, Julia Language Project	MIT	May 2013 – Aug 2013	
Wrote TypeCheck.jl, a package for type-based static analyst Documented Julia webstack and interesting built-in APIs	sis of Julia code	Julia Markdown	
Participant, Recurse Center	New York City	Feb 2013 – May 2013	
Participated in a 12 week self-directed programming works Built a Dropbox client for the Haiku operating system Wrote a WebSockets implementation (WebSockets.jl) Wrote a multi-threaded program and a tutorial about the		C++, Python Julia Rust	
Independent Study with Prof. Peter Froelich	Johns Hopkins	Sep 2012 – Dec 2012	
Wrote a course management web application Worked with HappStack, HSP templates, HDBC, and Twi	tter Bootstrap	Haskell Haskell, CSS	
Intern, Jane Street Capital	New York City	Jun 2012 – Aug 2012	
Built internal tools: WebSockets server library, real-time cl Wrote an automated bot to compete in an internal trading		OCaml, Javascript OCaml	
Research Project with Prof. Scott Smith	Johns Hopkins	Feb 2012 – May 2012	
Wrote an interpreter for an experimental language Wrote a lexer and parser using Parsec		Haskell Haskell	
Intern, Fog Creek Software	New York City	May 2011 – Aug 2011	
Implemented new features for Kiln, including Image Diffs		C#, Python, Javascript	
Statistical NLP Research Project with Prof. Mark	Dredze Johns Hopkins	Feb 2011 – May 2011	
Wrote scripts to convert text files to SVM light format using Wrote final paper describing methods and results	ng a bag of words model	Python, Bash LaTex	
Research Experience for Undergraduates	Harvey Mudd	May 2010 – Aug 2010	
Implemented heap analysis tools, including code to talk to a 3D graph visualization engine Python, Ubigraph			
DUCATION			
M.S.E., Computer Science	Johns Honkins	Sep 2011 – Dec 2013	

ED

M.S.E., Computer Science

Johns Hopkins Sep 2011 – Dec 2013

 $\diamond\,$ GPA: 3.54, Project: Type-related Static Analysis for the Julia Programming Language

B.S., Computer Science

 ${\bf Johns\ Hopkins\ Sep\ 2008-Dec\ 2012}$

 \diamond GPA: 3.46, Dean's List 4 semesters

LEAH HANSON 2

SPEAKING EXPERIENCE

HVIF: 500-Byte Vector Images Code as Craft (10min) Recurse Center (5min)	NYC NYC	Oct 2016 Oct 2016
Inside Websockets Open Source Bridge (40min) ACM Applicative (40min) PolyConf (40 min)	Portland NYC Poznan, Poland	Jun 2016 Jun 2016 Jul 2015
How Julia Goes Fast CodeMesh (45min) YOW! (1 hour) StrangeLoop (1 hour)	London, England Australia St. Louis	Nov 2015 Dec 2014 Sep 2014
Intro to Julia Workshop Chicago Julia Meetup (4.5 hours) IceCube Lab (3 hours) Chicago Julia Meetup (3 hours) Strata (3 hours) StrangeLoop (3 hours) LambdaJam (3 hours) Hacker School (3 hours) Johns Hopkins University (3 hours) Hacker School (2 hours)	Chicago Madison Chicago New York City St. Louis Chicago New York City Baltimore New York City	Nov 2014 May 2014 Feb 2014 Oct 2013 Sep 2013 Jul 2013 Jun 2013 May 2013 May 2013
Intermediate Julia Workshop Hacker School (2 hours) More Julia Talks Contributing to Julia (8 min) JuliaCon TypeCheck.jl (35 min) JuliaCon	New York City Boston Chicago	Oct 2013 Jun 2015 Jun 2014
Intro to Julia (1 hour) Asana	San Francisco	May 2013

WRITING EXPERIENCE

Learning Julia (with Spencer Russell)

Not Yet Published

An introduction to Julia, focused on learning through examples of complete programs.

500 Lines or Less: Static Analysis

October 2015

http://aosabook.org/en/500L/static-analysis.html

A chapter introducing static analysis, using 500 lines of code from TypeCheck.jl.

Learn Julia in Y Minutes

 $\mathbf{July}\ \mathbf{2013}$

http://learnxinyminutes.com/docs/julia/

This is a brief introduction to Julia focusing on the syntax and a brief introduction to the type system.