LEAH HANSON

 $leah.a.hanson@gmail.com \quad \bullet \quad blog.leahhanson.us \quad \bullet \quad github.com/astrieanna$

TECHNICAL I	EXPERIENCE
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TECHNICAL EXPERIENCE	
Sabatical, Recurse Center	New York City Aug 2016 - Nov 2016
Participated in a 12 week self-directed programming wo Solved Project Rosalind problems Explored details of the Haiku operating system Paired on optimizing the performance of a Go game implement of the Worked through parts of a Statics and a Linear Algebra And 5 more weeks to go!	$\begin{array}{c} \text{Go} \\ \text{C++} \\ \text{plementation} \end{array}$
Software Engineer, Stripe	Redmond, WA (remote) July 2014 – July 2015
Refactored and updated legacy deployment infrastructu Wrote indexers for internal documentation search	re 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 and Documented Julia webstack and interesting built-in AP	
Student, Recurse Center	New York City Feb 2013 – May 2013
Participated in a 12 week self-directed programming wo 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
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 T	Haskell Haskell, CSS
Intern, Jane Street Capital	New York City Jun 2012 - Aug 2012
Built internal tools: WebSockets server library, real-time Wrote an automated bot to compete in an internal trad	
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 Diff	fs C#, Python, Javascript
Statistical NLP Research Project with Prof. Ma	rk Dredze – Johns Hopkins – Feb 2011 – May 2011
Wrote scripts to convert text files to SVM light format Wrote final paper describing methods and results	using 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

EDUCATION

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

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

♦ GPA: 3.46, Dean's List 4 semesters

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SPEAKING EXPERIENCE

Portland NYC Poznan, Poland	Jun 2016 Jun 2016 Jul 2015
London, England Australia St. Louis	Nov 2015 Dec 2014 Sep 2014
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
New York City Boston Chicago San Francisco	Oct 2013 Jun 2015 Jun 2014 May 2013
	NYC Poznan, Poland London, England Australia St. Louis Chicago Madison Chicago New York City St. Louis Chicago New York City Baltimore New York City New York City Boston Chicago

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 Type Check.jl.

Learn Julia in Y Minutes

July 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.