

LEAH HANSON

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TECHNICAL EXPERIENCE

Software Engineer, Stripe	Redmond, WA (remote)	July 2014 – Present
Working on DevTools Team: setting up, maintaining, and improving internal tools		
Researching Mesos and Kubernetes		
Learning to work effectively from home		
Software Engineer, Google	Madison, WI	Feb 2014 – Feb 2015
Made networks go fast		
Learned what's important when optimizing for latency and performance		
Exposed to Google's high standards for code quality and architecture design		
Open-Source Contributor, Julia Programming Language		Mar 2013 – Present
Spoke about Julia at developer conferences including JuliaCon, StrangeLoop, Strata, and YOW!		
Wrote a chapter on static analysis for the book <i>500 Lines or Less</i>		Markdown
Writing a book for O'Reilly titled <i>Learning Julia</i>		ASCIIDoc, Julia
Research Assistant, Julia Language Project	MIT	May 2013 – Aug 2013
Wrote TypeCheck.jl, a package for type-based static analysis of Julia code		
Documented Julia webstack and interesting built-in APIs		
Student, Hacker School	New York City	Feb 2013 – May 2013
Participated in a 12 week self-directed programming workshop		
Built a Dropbox client for the Haiku operating system		C++, Python
Wrote a WebSockets implementation (WebSockets.jl)		Julia
Wrote a multi-threaded program and a tutorial about the features of Rust it used		Rust
Independent Study with Prof. Peter Froelich	Johns Hopkins	Sep 2012 – Dec 2012
Wrote a course management web application		
Worked with Hadoop, HSP templates, JDBC, and Twitter Bootstrap		
Intern, Jane Street Capital	New York City	Jun 2012 – Aug 2012
Built internal tools		
Wrote an automated bot to compete in an internal trading tournament		
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		
Intern, Fog Creek Software	New York City	May 2011 – Aug 2011
Implemented new features for Kiln, including Image Diffs		
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 a bag of words model		
Wrote final paper describing methods and results		
Research Experience for Undergraduates	Harvey Mudd	May 2010 – Aug 2010
Implemented heap analysis tools, including code to talk to a 3D graph visualization engine		

LEADERSHIP EXPERIENCE

Co-founder, Madison Hack & Tell	Madison, WI	Oct 2013 – May 2014
Officer, Women in Computer Science (WiCS)	Johns Hopkins	Sep 2011 – Dec 2012
President, Hopkins Go Club	Johns Hopkins	Sep 2009 – Dec 2012

EDUCATION

M.S.E., Computer Science**Johns Hopkins Sep 2011 – Dec 2013**

◊ GPA: 3.54, Project: Type-related Static Analysis for the Julia Programming Language

B.S., Computer Science**Johns Hopkins Sep 2008 – Dec 2012**

◊ GPA: 3.46, Dean's List 4 semesters

SPEAKING EXPERIENCE

Inside Websockets

PolyConf (40 min)

Poznan, Poland Jul 2015

How Julia Goes Fast

CodeMesh (45min)

London, England Nov 2015

YOW! (1 hour)

Australia Dec 2014

StrangeLoop (1 hour)

St. Louis Sep 2014

Intro to Julia Workshop

Chicago Julia Meetup (4.5 hours)

Chicago Nov 2014

IceCube Lab (3 hours)

Madison May 2014

Chicago Julia Meetup (3 hours)

Chicago Feb 2014

Strata (3 hours)

New York City Oct 2013

StrangeLoop (3 hours)

St. Louis Sep 2013

LambdaJam (3 hours)

Chicago Jul 2013

Hacker School (3 hours)

New York City Jun 2013

Johns Hopkins University (3 hours)

Baltimore May 2013

Hacker School (2 hours)

New York City May 2013

Intermediate Julia Workshop

Hacker School (2 hours)

New York City Oct 2013

More Julia Talks

Contributing to Julia (8 min) JuliaCon

Boston Jun 2015

TypeCheck.jl (35 min) JuliaCon

Chicago Jun 2014

Intro to Julia (1 hour) Asana

San Francisco May 2013