LEAH HANSON

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TECHNICAL EXPERIENCE

Open-Source Contributor, Julia Programming Language **March 2013 – Present**

Spoke about Julia at developer conferences including JuliaCon, StrangeLoop, Strata, and YOW!
Wrote a chapter on static analysis for the book *500 Lines or Less* Markdown
Writing a book for O'Reilly titled *Learning Julia* ASCIIDoc, Julia

Software Engineer, Google **Madison, WI Feb 2014 – Present**

Making networks go fast C++

Research Assistant, Julia Language Project **MIT May 2013 – Aug 2013**

Wrote TypeCheck.jl, a package for type-based static analysis of Julia code Julia
Documented Julia webstack and interesting built-in APIs Markdown

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 Haskell
Worked with HappStack, HSP templates, HDBC, and Twitter Bootstrap Haskell, CSS

Intern, Jane Street Capital **New York City Jun 2012 – Aug 2012**

Built internal tools OCaml, Javascript
Wrote an automated bot to compete in an internal trading tournament OCaml

Research Project with Prof. Scott Smith **Johns Hopkins Feb 2012 – May 2012**

Wrote an interpreter for an experimental language Haskell
Wrote a lexer and parser using Parsec 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 a bag of words model Python, Bash
Wrote final paper describing methods and results 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

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

Hacker School   **New York City**
Intro to Julia workshop (2 hours)   May 2013
From Installed to Productive in Julia (3 hours)   June 2013
Intermediate Julia (2 hours)   October 2013

Johns Hopkins Univeristy   **Baltimore**
Intro to Julia workshop (3 hours)   May 2013

Asana   **San Francisco**
Intro to Julia (1 hour)   May 2013

LambdaJam Conference   **Chicago**
From Installed to Productive in Julia (3 hours)   July 2013

StrangeLoop Conference   **St. Louis**
From Installed to Productive in Julia (3 hours)   Septemter 2013
How Julia Goes Fast (1 hour)   September 2014

Strata Conference   **New York City**
Getting Started with Julia (3 hours)   October 2013

Chicago Julia Meetup   **Chicago**
An Introduction to Julia (3 hours)   February 2014
An Introduction to Julia (4.5 hours)   November 2014

IceCube Lab   **UW Madison**
An Introduction to Julia (3 hours)   May 2014

JuliaCon Conference   **Chicago**
TypeCheck.jl (35 min)   June 2014

YOW! Developer Conference   **Australia**
How Julia Goes Fast (1 hour)   December 2014
An Introduction to Julia (4.5 hours)   December 2014