

Joshua Hibsichman

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www.y3sh.com

github.com/y3sh

Education

Ph.D. in Computer Science , GPA 3.9, Northwestern University	2014 – 2017
M.S. in Computer Science , GPA 3.9, DePaul University	2012 - 2014
B.S. in Computer Science, Business Mgt , GPA 3.6, Taylor University	2005 - 2009

Professional Experience

Engineering Manager, Rocket Wagon Labs **June 2017 - Present**

Renovated developer practice to minimize technical debt with enhanced code quality, code development, and testing processes. Architected scalable and reusable development strategy for native desktop, browser, and mobile.

Graduate Researcher, Northwestern University **Sep 2014 – May 2017**

Conducted publishable research engineering in automated front-end language analysis and reverse engineering.

Ph.D. Research Intern, Google **Summer 2016**

Researched and developed techniques to automate UI design through machine learning and human computation. Advised by Dr. Jeff Nichols under the Chromium Projects division. Tech: Python, Node.js, JavaScript, Java.

Senior Software Engineer, Slalom Consulting **May 2011 – Sep 2014**

Designed web architecture and engineered scalable cloud solutions to solve complex data problems for LinkedIn, Blue Cross Blue Shield, PointDrive, The Law Bulletin, Home Depot, and Origin Capital Partners. Tech: JavaScript, Node.JS, Java, Spring, Angular, Backbone, AWS, Python, HTML, CSS, Mongo, Dynamo, Redis.

Technical Analyst, Accenture **2010 - 2011**

Developed modern high-performance software service architecture to replace undocumented high-maintenance legacy healthcare and finance systems in the fortune 500. Tech: Java, .NET.

Technical Skills

Languages & Frameworks

6+ Years: JavaScript, Node JS, Backbone, HTML, CSS, Shell

3+ Years: Java, Spring, Gradle, Jade, SCSS, Angular, YUI

1+ Years: J2EE, Python, Numpy, Bokeh, Typescript, SQL

<1 Year: Scala, Groovy, C, C++, PHP, Ruby, Rails

Library Familiarity

JS [Backbone, RxJS, Require, Angular, YUI, Dojo, jQuery, Underscore, LoDash, Mustache, Raphael, Handlebars, Jade, Express, Webpack, Gulp, Grunt, Electron], **Java** [Spring MVC, Spring Batch, Guava, AWS SDK v1 & v2, Sonar, Solr], **CSS** [Twitter Bootstrap, Compass, Zurb Foundation, Bourbon]

Testing

JS [Mocha, Capser, Jasmine, Protractor], **Java** [Selenium, JUnit]

Environments

OS X, Unix, Linux, RHEL, CentOS, Ubuntu, Windows, Chrome, NodeJS, Firefox, Safari, IE, JVM, Tomcat, Android, iOS

Teaching

Graduate Assistant Lecturer (5 Terms): Northwestern University EECS 495: Design, Technology, and Research

Data Storage

MongoDB, DynamoDB, Redis, MySQL, ORM, Mongoose, NoSQL, Oracle SQL, MSSQL

Software Engineering

Scrum Agile, RESTful Services, Service Oriented Architecture, Application Scalability, Test Driven Development, Pair Programming, Extreme Programming, Rapid Prototyping, Integrations, Middleware, Legacy Conversion, PAAS, SAAS, IAAS

Dev Ops

AWS [EC2, OpsWorks, Chef, Route53, RDS, SQS, S3, Glacier, Hive], **Atlassian** [Bamboo, Jira, Confluence, FishEye], **Git** [GitHub, BitBucket], Heroku, OpenShift, Docker, Puppet, Vagrant