Thomas R. Hallock

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MOTIVATION

Turning ideas into reality through code and technology appeals to me. I am proud to be part of a thriving community of software engineers that does this for a living.

RECENTLY

I have contributed to open source projects, including:
- NPM
- Aloha Editor
- backbone-collection

I have published over 20 open source projects, including:
- npm-build-cache: a shared module cache that gives a tremendous speed boost for rebuilds and dev teams.
- mimic-webpack: apply your Webpack config to node's runtime
- b3nd: knockout-style bindings for Backbone views
- template-view: quick and easy templates for your Backbone views

I've used these languages:
JavaScript, Bash, Groovy, Haskell, SQL, Python, C++, Java, Zsh, and PHP.

I've used these APIs and frameworks:
Grails, Express, React, Backbone, Underscore, ExtJs, Knockout.js, MathJax, node.js, and CodeIgniter.

My Preferred languages, tools, and frameworks:
- Source control: git
- Dependency management: npm
- Bundling: Webpack
- Testing: Mocha
- Client-side: React + Redux + Relay + GraphQL
- Shell: Zsh

EDUCATION

B.S. Computer Science
University of Texas at Austin
Relevant courses: Compilers, Operating Systems, OOP, Abstract Data Types, Digital Logic Design, Computer Architecture, Automata Theory, Neural Networks, Artificial Intelligence, Computer Graphics.

EXPERIENCE

Mixpanel — **2017**
mixpanel.com

Sr. Front End Developer — **2014 - 2016**
1stdibs.com
- Created and launched MessageCenter, a web email system for communication and commerce between customers and dealers on 1stdibs.com.
- Introduced development team to best practices for source control with git.
- Encouraged test-oriented development by giving a presentation on how to write BDD tests within the existing codebase and exposed current test coverage through front-end coverage reports.
- Organized front-end codebase into self-contained view components.

Sr. Front End Developer — **2012 - 2013**
LearningPod, Inc. (The Washington Post Company)
- Architected a set of front-end modules to create a rich user experience for educators, students, and developers.
- Built a rich text editor for authoring math content for a new learning management system. Used `contenteditable` and MathJax on top of a Groovy + Grails stack.
- Created a suite of automated front-end tests using WebDriver and the Grails functional test harness.

Sr. Web Application Developer — **2010 - 2012**
Roubini Global Economics
- Wrote a forum system from scratch that remains in use at the company.
- Designed multiple internal web-based single-page business applications using ExtJS
- Developed interactive widgets using JavaScript.
- Launched and maintained Economonitor.com using WordPress Multisite and a set of custom plug-ins.
- Release manager for production code pushes. Used Trac, Subversion, and a bit of scripting.

Founder and president - eBay consignment drop-off store — **2004 - 2011**
The Sellery
- Developed a web application in PHP to manage eBay sales, inventory, CRM, and invoicing for 400+ consignors.
- Bootstrapped business from single person into a coordinated group of skilled and motivated workers.

Systems designer and programmer *at Black Enterprise - Interactive Department* — **2009 - 2010**

Freelance PHP consultant and project manager — **2009 - 2010**

Domain Name Support Manager and Technology Liaison *at Trilogy Software* — **2007 - 2009**

Systems Administrator *at Medicus Insurance Company* — **2007 - 2008**

Technical support and QA *at Aspyr Media* — **2001 - 2003**

Programmer *at UT Austin Physics Department - C / LaTeX homework and test system* — **2000 - 2001**

VOLUNTEER ACTIVITIES & HOBBIES

TEALS: Volunteer Teacher for AP Computer science
Taught AP computer science in Java at a New York City public high school. — **2014 - 2015 school year**

University of Texas Cycling Sports Club
Webmaster, Nationals Team Leader, and Track Team President — **2001 - 2003**

Cycling and Charity events
GTE Big Ride Across America; Seattle, WA to Washington, D.C. — **1998**
Annual MS-150 Bicycle Ride from Houston, TX to Austin, TX — **1996 - 2002**

Just for fun
Hang Gliding: BHPA rated club pilot — **2016**
Semi-professional Category 1 Road Bicycle Racer — **2003 - 2006**
Windsurfing, Men's Roller Derby, Hiking, Snow Skiing