

## Professional Experience

Company: **Healthgrades, Inc** Position: **Senior Software Engineer** Mar. 2015 – Present

- ❖ Front end engineer on large, public facing website seeing over 1,000,000 daily unique visitors.
- ❖ Served as front end chapter lead - evangelized best practices, coordinating the cross group development process, and on-boarding new developers.
- ❖ Wrote JavaScript front end components using React and Redux. Leader of company-wide push to migrate to Redux.
- ❖ Administered Git repositories, overseeing branch strategy implementation and assisting developers as needed.
- ❖ Founded company weekly training sessions on front end topics. Coordinated schedule, encouraged developers to give talks, promoted topics, and gave presentations.
- ❖ Created stand-alone front end development environment to optimize component creation.
- ❖ Managed Webpack code bundle configurations in all environments.
- ❖ Integrated with legacy C# Asp.Net backend application. Worked with backend developers to integrate API layer with the server and client applications.

Company: **Self Employed** Position: **Web Developer** Aug. 2011-Present

- ❖ DiskDraft.com – Free Ultimate Frisbee recreational league draft application. Uses serverless, multiuser architecture using Firebase, React, Redux, and Less.
- ❖ Designed, coded, and maintained many websites, both from scratch and customizing popular frameworks such as WordPress.
- ❖ ZacheryTillotson.com – Personal website with links to other work.

Company: **Echostar** Position: **Senior Software Engineer** Aug. 2012 – Mar. 2015

### Responsibilities

- ❖ Developed website targeted to DISH Network customers seeing over 75,000 daily unique visitors.
- ❖ Wrote single-page application design web front-end. Technologies include Coffeescript, Backbone, Marionette, and Handlebars.
- ❖ Transitioned legacy site to pure back-end API written using Ruby on Rails, MySQL, and ElasticSearch driving web and native phone applications.
- ❖ Monitored and massaged high volume content ingesting scripts.
- ❖ Developed ActionScript and HTML5 video players through secure authentication service.
- ❖ Integrated front-end with several external services allowing user control of home set-top boxes.

Company: **Labjack Corporation** Position: **Software Engineer** Dec. 2011-Aug. 2012

### Responsibilities

- ❖ Developed and supported line of physical world interface devices.
- ❖ Designed and wrote new client interface application in C++ and Qt using the QWT graphical library

Company: **Tyler Technologies** Position: **Software Engineer** Mar. 2010-Aug. 2011

### Responsibilities

- ❖ Developed enterprise level local government tax and assessment applications in Java.
- ❖ Communicated directly with clients and with support technicians to resolve technical issues
- ❖ Active in and promoted company-wide extracurricular activities

Company: **Sun Microsystems** Position: **Software Engineer** Nov. 2007-Mar. 2010

- ❖ Member of internal business intelligence operations group
- ❖ Created business intelligence web portal serving salesmen, product managers, and company management using Java EE and HTML pages with Ajax functionality

Company Name: **Evergreen Research** Position: **Contract Engineer** Mar. 2007-Aug. 2007

## Education

<b>M.S. Computer Science</b>	<b>Colorado School of Mines</b>	2010-2012
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Research Interests: Data Mining, Artificial Intelligence, Machine Learning, Simulation, Web Programming.

<b>B.S. Computer Science</b>	<b>Colorado School of Mines</b>	2003-2007
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## Technical Skills

## Other Experience

- ❖ Excellent skills with JavaScript, React, Redux, ECMA 2015+ Less, Jasmine, HTML5, CSS3, Bash scripting, Scrum, Git, Jenkins, Mocha, Storybook
- ❖ Experience with C, C++, DOS scripting, Windows MSI, Java J2EE, Coffee script, Backbone, Marionette, Handlebars, HAML, Hamlbars, Ruby, Ruby on Rails, RSpec, SQL, PHP
- ❖ Medtronic Navigation Student Intern during Colorado School of Mines Summer Field Course, 2006
- ❖ Colorado School of Mines Technology Consultant, 2004-2007
- ❖ National Taiwan Normal University, 2014