

## Experience

### Change My World Now

Head of Development *New York, NY* February 2017 - April 2017

Directly responsible for all day-to-day technical and engineering operations. Ultimately responsible for selection of technologies and tooling. Responsible for engineering hiring. Ran successful internship program for five development interns.

### Change My World Now

Lead Front End Engineer *New York, NY* October 2015 - February 2017

Second Engineer. Built out CMWN platform frontend SPA from scratch, as well as in-house games framework, several dozen games, and supporting microservices. Built out AWS infrastructure and CI systems. Select tech includes React, Redux, AWS (EC2, S3, Dynamo), and Node.

### Nomi

Engineer *New York, NY* April 2014 - October 2015

Member of frontend engineering team responsible for stack architecture, program design, development, and maintenance of client-facing SAAS application interfaces. Personally worked to select and implement the frontend tech stack for a full, ground-up SPA in HTML5, SCSS, and ES2015 Javascript, with Linux and Node build tools. Select technologies include React, Flux, Babel, Mocha, and Gulp.

### NorthPoint Digital

Consultant *New York, NY* October 2012 - April 2014

Stack agnostic web development and consultancy. Focused on direct client interaction and responsive, high-performance enterprise development. Technologies included Javascript, C#, PHP, Microsoft .NET, Apache, Solr, Drupal, Ektron, and Sitecore. Notable projects included sites for MIT Sloan Business School ([mitsloan.mit.edu](http://mitsloan.mit.edu)) and Children's Hospital of the King's Daughters ([chkd.org](http://chkd.org)).

### Hearts On Fire

Engineer *Boston, MA* August 2012 - October 2012

Sitecore development in C#

### Ektron, Inc.

Engineer *Nashua, NH* February 2011 - August 2012

Responsible for full-stack implementation and maintenance of client sites built on Ektron CMS. Additionally, delivered on-site and remote developer training sessions on Ektron's products and APIs. Technologies included C#, PHP, Javascript, and Ektron. Notable projects included Kodak.com and Covidien.com.

### River Cardroom

Poker Dealer *Milford, NH* May 2010 - February 2011

Max P. Rafferty

Language agnostic Full Stack  
Software Engineer

Frontend specialist with a decade of best-practice Web Dev and Leadership. Proven professional experience in frontend development and architecture, mobile-first responsive UX, and developer advocacy and training.

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## College of Wooster

Web Manager *Wooster, OH* November 2007 - May 2010

Oversaw migration team responsible for migrating static HTML site into Sitecore CMS.

## Education

### Summer Coursework, Harvard University

Studied Algorithms and Data Structures under Dr. Michael D. Mitzenmacher. Coursework completed 2008.

### Bachelor of Arts, College of Wooster

Major: Computer Science

Minor: Studio Art

Attended 2006 - 2010. Senior thesis passed with honors, published as M. Rafferty and S. Visa, BitTorrent-Enhanced Distributed Internet Caching (BEDIC) in Proceedings of the 2010 Midstates Conference for Undergraduate Research in Computer Science and Mathematics, Springfield, 2010, pp 49-57.

## Skills

Environments	Server administration in Windows and *nix environments. Comfortable in all desktop environments.
Languages	Master level Javascript (ES5, ES2015 (formerly ES6)). Professional experience in C#, Visual Basic, PHP, and Python. Educated in C, C++ and Java.
Tools	Comfortable with standard *nix tools. Frontend tools include Gulp, Grunt, Babel, SCSS, LESS, Browserify, Webpack, Google Closure, ESLint, Intern, Jest, Mocha, and Chai, all via Node. Comfortable working in virtualized environments and in UNIX containers (Docker). Comfortable working within and configuring CI and build automation (Wercker, Jenkins, Solano, Travis). Comfortable with AWS tools.
VCS	Strongly prefer Git. Experience with SVN, Team Foundation, and VSS.
Frameworks	Strongly prefer React. Professional experience with Angular, Durandal (Knockout), and Backbone.
Libraries	Strongly prefer Lodash (Underscore). Very familiar with JQuery (though you might not need it!). Comfortable with Bootstrap and Foundation.
Issue-Tracking	Very comfortable in JIRA and working with JIRA Agile tools. Experience with Pivotal, GitHub Issues, TFS, and Trello.