

# Andy Lincoln - Web Developer

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## Work Experience

### Digital Artisans - North Andover, MA

#### Web Developer

March 2017 - Present

- Integrate new designs into client's apps from design handoff to production.
- Collaborate with designers to ensure quality UX
- Maintain and document front-end code repository with Gulp-based build tools to efficiently bootstrap WordPress projects
- Develop WCAG 2.0 compliant accessible front-end components
- Audit client website performance including: SEO, caching, JS, CSS & image optimizations
- Audit client website security & restoring hacked websites
- Develop bespoke WordPress solutions for client marketing sites
- Improving organizational security practices, including implementing best practices such as using password managers and migrating clients to HTTPS

### NetNumber, Inc. - Lowell, MA

#### Software Engineer

Jan 2016 - Sept 2016

- Collaborated with partner companies in development of re-branding product UI
- Updated product front-end to conform to WCAG 2.0 accessibility guidelines
- Collaborated with QA engineers to automate cross-browser user experience testing using Selenium
- Researched modern alternatives to aging end-of-life front-end component libraries

#### Development Intern

May 2013 - June 2014

- Developed unit tests for TITAN's foundational libraries to improve code coverage
- Contributed to migration of the TITAN build process from monolithic Makefile to a modularized, modern Java build Continuous Integration pipeline with Maven and Jenkins
- Implemented telephony protocols according to IETF specification

### IBM Silicon Valley Lab - San Jose, CA

#### Software Test Co-Op

July 2014 - December 2014

- As part of the QA team for IBM's Big Data platform, BigInsights, I developed automated tests of the BigInsights developer SDKs
- Designed and developed an Android app to assist team management in monitoring QA testing
- Acceptance testing of distributed computing API's and Big Data storage components such as Hadoop, Zookeeper, HBase

## Education

### University of Massachusetts Lowell - Lowell, MA

#### Bachelors Of Science in Computer Science

Sept 2011 - Dec 2015

Web Development, Web Design, Software Engineering, Internet of Things, Android App Development, Big Data, Computer Vision, Engineering & Ethics, Computer Operating Systems & Architecture

## Skills

- Responsive Web Design
- React.js
- CSS Animations & Transitions
- CSS Flexbox, Grid
- REST APIs
- Web accessibility (a11y)
- Web security
- Photoshop & Illustrator
- Sketch
- WordPress
- Node.js & Express
- Functional Programming
- git
- Test Driven Development
- jQuery
- Build automation
- Continuous Integration/Deployment
- Ruby on Rails
- Apache Server Configuration

## Programming Languages

JavaScript (ES6, Node.js), HTML, SCSS, CSS, SVG, Java, Ruby, php, Python, C, SQL

## Other Experience

### Fort Point Design - Boston, MA

#### Web Development Intern

June 2015 - August 2015

- Security and performance improvements to WordPress, Joomla! sites
- Improved customer SEO with ad campaigns and Google Maps pages

### LEAP for Education - Salem, MA

#### Code Instructor

October 2016 - December 2016

- Facilitated a Girls Who Code group for middle school girls interested in STEM
- Instructed students in Computer Science fundamentals with MIT's Scratch programming language
- Encouraged creative problem solving to prompts
- Drafted lesson plans for weekly club meetings
- Educated students about notable women in technology and their impact on the industry at large