

Mark Neuburger
Software Engineer

50 West 77th St. #4F
New York, NY 10024

markneub@gmail.com
markneuburger.com
(717) 891-2716

Education

Cornell University College of Engineering
BS, Information Science, Systems, and Technology, 2010

Ithaca, NY

Professional Experience

Senior Front-End Developer, Arivale, 7/17 - 6/18

Seattle, WA

- Overhauled build system to halve deployment time, 12 to 6 min (bash, Webpack, yarn)
- Many improvements to web app performance, including gzipping static assets, caching headers, and lazy loading routes, leading to 2-3x improvements in initial load time
- Upgraded legacy React 0.14 codebase to React 16.2, enabling team to use React Native Web for cross-platform development across web and mobile apps
- Architecture and development of web applications (React, ES6, Python, CSS modules)

Manager of Brand Technology, PRA Health Sciences, 4/15 - 4/17

Blue Bell, PA

- Lead a complete overhaul of corporate website, implementing:
 - modular site architecture utilizing a headless CMS and SPA, allowing the non-technical marketing team full control over content editing while preserving a first-class experience for users
 - 2-3x reduction in load time on homepage by utilizing a CDN, splitting JavaScript code into chunks with Webpack, and adding automatic image compression
- 15% YOY increase in job applications over first 90 days of new company recruitment website
- Strategy, architecture and development of web applications and interactive kiosks (Vue.js, ES6, SCSS)

Freelance Web Developer, 11/13 - 4/15

Philadelphia, PA

- Lead web developer for design and branding agency HUMN
- Full stack development (JavaScript/CodeIgniter PHP/MySQL/CentOS/Apache) of dental anxiety treatment program for Temple University School of Dentistry
- Concept, design, construction, programming, and instructional how-to guide of LED illuminated realtime weather map for makerspace NextFab (Node.js, Illustrator, laser cutting)
- Developed application (JavaScript, PHP, MySQL) to test the effects of a mindfulness retreat on a standardized attention-shifting task for a Temple University psychology study

Senior Technical Consultant, CGI Federal, 7/13 - 11/13

Fairfax, VA

Technical Consultant, CGI Federal, 7/10 - 7/13

- Lead the Assets Framework project, a responsive front-end framework that implements federal website accessibility standards (section 508) using WAI-ARIA and semantic HTML

Technical Skills

- Expert with HTML5, CSS3/SCSS, JavaScript (ES5, ES6), Vue.js, React, GSAP, jQuery, Webpack, git
- Proficient with Photoshop, Illustrator, Sketch, Linux, bash scripting, vim, tmux, Docker, Python, PostgreSQL, MySQL, CI/CD (CircleCI, DeployHQ), AWS (S3, EC2, CloudFront)

Other Skills and Experience

- Experienced with laser cutting, 3D printing, woodworking, CNC milling, circuit design, Arduino, Raspberry Pi
- Intermediate German (speaking, reading, writing)
- Hiked the Appalachian Trail, summer 2012