

# Nicholas Fealey - Web and Mobile Computing

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## Education

**Rochester Institute of Technology**, Rochester, NY (August 2014 - December 2018)

- Web and Mobile Computing Degree
- **GPA: 3.7**

## Skills

- Knowledge and Experience in HTML5, CSS, JavaScript, JQuery, PHP, SCSS, Twitter Bootstrap, Vue, Swift, Gulp, MySQL, Responsive Design, Object Oriented Programming, Python, Adobe Lightroom, Flask Web Framework
- Working knowledge in Java, C#, React Native, React JS, Node JS, Browserify, Adobe Photoshop, Adobe Illustrator
- Windows, Mac OS X, Android, IOS, Ubuntu Server, other Debian based distributions

## Activities

- Photography
- Building Computers
- Research on Data Recovery from SSD Drives
- Sparsa: Security Practices and Research Student Association (2014 - Present)
- Localhost Club (2016 - Present)
- RIT Blockchain Club (2017 - present)
- RIT Photo House member (2017 - 2018)
- RC3: Competitive Computing Security Club (2014 - 2016)

## Job Experience

**Federal Reserve Board of Governors**, Washington DC (June 2018 - August 2018)

- Website performance optimizations
- Gulp file improvements - Reduced the build time by 90% and added documentation to the gulpfile
- Image optimization - 65% size reduction in the navigation bar, and over a 37% reduction across all of the landing pages
- Tested and incorporated CSS minification, JS minification, concatenation of CSS/JS files, and the changing of the load order for critical rendering JS to the website's build process and achieved an improvement of 200ms in the websites rendering time
- Researched HTTP compression algorithms and implementation

**Ahold USA**, Quincy, MA (July 2016 - December 2016)

- Front End Developer
- Hybrid application development - React JS, ionic + angularJS, NativeScript, and React Native
- Used Agile Scrum methodology, JIRA
- Used version control (Git)
- Optimized images for websites and mobile apps
- Built the front end for a chatbot application, which focused heavily on optimization for mobile devices

**Rochester Institute of Technology**, Rochester, NY (December 2015 - 2016)

- Built website to present a forensics project managed by a graduate professor

**Securities Training Corporation**, New York, NY (June 2015 - August 2015)

- IT Support Technician, staffed a helpline for clients and employees
- Tested Ebook interface for clients on desktop and mobile devices

## Projects

- **Personal Portfolio Website** (2016 - Current) Built and maintain an Ubuntu 18.04 server on a DigitalOcean VPS, which hosts my personal portfolio website nicholasfealey.com utilizing the Flask Web Framework. Supports SSL/HTTPS, supports IPv6 and IPv4, improved SEO, and is optimized for mobile
- **JavaScript Project** Dynamically builds elements using JavaScript. Compatible with IE 5 and up
- **JQuery Project** Built website to make Ajax calls to pull information from RIT's IST department's API. (Note that this project is not designed to be lightweight as it was a requirement to use multiple plugins)