

CASSANDRA NEWCOMER

New York, NY

OBJECTIVE:

Seeking a fulltime position in front end web development or closely related field.

WORK EXPERIENCE:

Web Developer

City College of New York, Physics Department

June '16 – July '17

HTML5/CSS3, Javascript, Canvas, p5.js, Node.js/Express, Jekyll, Git, JSDoc

- Built browser-native science and math visualizations for educational use
- Designed and implemented UI/UX for interactive science simulations
- Used static site generator to update and maintain organization's webpage
- Created a REST API microservice to fetch, parse, and cache data from the GitHub API and serve it to the front end
- Expanded and debugged the alpha release of a p5.js physics add-on library
- Wrote tutorials and technical documentation to help onboard new developers

PROJECTS:

Hammertime

HTML5/CSS3, Javascript, React.js, React Router 4

- Created a progressive web application study tool for the Ham Radio exam
- Wrote custom regex to parse txt files of the question pools and convert them into JSON
- Features a multiple choice question format, three different exam levels, ordered and random study modes, a progressbar display, and a serviceworker for offline practice
- Integrates custom off-screen canvas menu with React Router for app navigation

EDUCATION:

City College of New York | New York, NY

Major: Bachelor's of Engineering in Electrical Engineering

Columbus State College | Columbus, OH

Major: Associate of Science

SKILLS:

Languages: Javascript (ES5/ES6), Python

Frameworks/Libraries: React.js, d3.js, p5.js, Gatsby.js, jQuery, SASS/SCSS, Bootstrap, Node.js/Express

Taskrunners/Bundlers: Webpack, Gulp, Grunt

Other Tools: HTML5, CSS3, Git, Adobe Creative Suite, Onshape (CAD), VSCode

OTHER INTERESTS:

Science fiction, video games, sewing, edX courses, automotive repair, costuming

Github: engineerwithoutfear – **Portfolio:** engineerwithoutfear.github.io