CASSANDRA NEWCOMER
New York, NY

OBJECTIVE:
Seeking a Summer 2018 internship in software engineering or closely related field.

WORK EXPERIENCE:
Software 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

SKILLS:
Languages: Javascript (ES5/ES6), Python, Java, C++
Frameworks/Libraries: React, D3, p5, jQuery, Node/Express
Taskrunners/Bundlers: Webpack, Gulp, Grunt
Other Tools: Git, VSCode, PyCharm, IntelliJ, Adobe Creative Suite, SASS/SCSS

EDUCATION:
Queens College | New York, NY
Major: Computer Science

PORTFOLIO:
engineerwithoutfear.github.io