CASSANDRA NEWCOMER
New York, NY

OBJECTIVE
Seeking a Summer 2019 internship in software engineering or closely related field.

EDUCATION
Queens College | New York, NY
Expected Graduation: Spring 2020
Major: Computer Science
GPA: 4.0/4.0

WORK EXPERIENCE
Software Engineering Intern | IBM - WebSphere Liberty Java Batch Team
June 2018 – August 2018
Java EE, Twitter4J, Apache Derby, Javascript, React.js
- Developed internal Javascript tooling to automate migration of repository issues from GitLab to Github Enterprise while retaining and recreating cross-issue reference links
- Wrote a full stack web application to showcase IBM's Java batch processing implementation for WebSphere Liberty
- Application ingests and analyzes social media complaints about the NYC subway system; Java EE back end interfaces with the Twitter API, performs scheduled batch processing, serves static files, and provides the REST API for an interactive data visualization dashboard

Assistant Software Developer | City College of New York – Physics Department
June 2016 – July 2017
HTML5/CSS3, Javascript, Node.js, Jekyll
- Built browser-native science and math visualizations for educational use by the physics department
- 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

SIDE PROJECTS
Hammertime
HTML5/CSS3, Javascript, React.js
- 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 choices of exam, ordered and random study modes, progress bar, serviceworker for offline practice, and a custom off-screen canvas menu with React Router for app navigation

SKILLS
Languages: Javascript, Java, Python, C++
Other Tools: Git, VSCode, IntelliJ, Adobe Creative Suite

PORTFOLIO: engineerwithoutfear.github.io
OTHER INTERESTS: science fiction, video games, Bayesian rationality, automotive repair, costuming