

CASSANDRA NEWCOMER

New York, NY

EDUCATION

Queens College | New York, NY

B.S. in Computer Science (Expected December 2020)

GPA: 3.7/4.0

EXPERIENCE

Software Engineering Intern | Convoy

Sep 2019 – Dec 2019

HTML5/CSS3, TypeScript, React, GraphQL, PostgreSQL, AWS s3

- Designed and developed a Bill of Lading (BOL) generator for shipments tendered through Convoy Connect
- Researched competing PDF generation techniques and technologies for presentation to stakeholders
- Wrote code to query databases for shipment details, format and insert the data into a PDF, store the result in an Amazon s3 bucket, and generate a signed URL to securely display the end result to the user in-browser

Software Engineering Intern | Oscar Health

Jun 2019 – Aug 2019

HTML5/CSS3, JavaScript, React, React Native, Redux, Python, Flask

- Built a new document center feature for the Oscar homepage and mobile app
- Created an API that interfaces with services from across Oscar's internal codebase to surface account-specific insurance forms
- Implemented React front end that displays the collection to Oscar members in a single, centralized location

Undergraduate Teaching Assistant | Queens College

Jan 2019 – May 2019

TA for CSCI 381 (Advanced C++ Elective)

- Graded projects and exams
- Debugged students' understanding of C++

Software Engineering Intern | IBM

Jun 2018 – Aug 2018

Java EE, JavaScript, React, Apache Derby

- Wrote a full stack web application that ingests and analyzes social media complaints about the NYC subway system
- Created a Java EE back end that interfaces with the Twitter API, performs scheduled batch processing, serves static files, and provides the REST API for an interactive data visualization dashboard
- Developed internal JavaScript tooling to automate migration of repository issues from GitLab to GitHub Enterprise while preserving cross-issue reference links

Assistant Software Developer | City College of New York

Jun 2016 – Jul 2017

HTML5/CSS3, Canvas, JavaScript, Node/Express, Jekyll

- Built interactive, browser-native math and science visualizations for educational use by the physics department
- 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

SIDE PROJECTS

Hammertime

HTML5/CSS3, JavaScript, React.js

- Created a progressive web application study tool for the Ham Radio exam
- Features a multiple choice question format, three choices of exam, ordered and random study modes, progress bar, service worker for offline practice, and a custom off-screen canvas menu with React Router for app navigation

SKILLS

Languages: JavaScript, Python, Java, C++

Tools: Git, VSCode, PyCharm, Adobe Creative Suite

PORTFOLIO: engineerwithoutfear.github.io

INTERESTS: science fiction, video games, Bayesian rationality, automotive repair, costuming, photography