

Andrea Habib

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EDUCATION

City University of New York, College of Staten Island

Bachelor of Science in Computer Science

Current GPA: 3.896

Staten Island, NY

Expected May 2022

Dean's List 2018-2020

CodePath.org University: iOS Mobile Application Design course using Swift

Tech Talent Pipeline Residency: Full stack bootcamp where topics on use of PostgreSQL, Express.js, React.js, Node.js were taught

TECHNICAL SKILLS

Programming: JavaScript, C++, HTML, CSS, Python, Bash, Java, Ruby, PHP, MySQL, MongoDB, Git, PostgreSQL, Swift

Frameworks & Libraries: React.js, React-Redux, NPM, Bootstrap, Node.js, Express.js, Django, GraphQL, Restful, MaterialUI

Technologies: Spyder, Xcode, GitHub, Adobe Photoshop, OS X, Unix, Linux, Heroku, Visual Studio Code, Figma, Trello, Asana

PROFESSIONAL EXPERIENCE

Bridging Tech

New York, NY

Product Relations Associate, Frontend Developer Volunteer

June 2021 – Present

- Working alongside of 4 front-end developers, and a product manager to create a web page to connect young students affected by homelessness to support with mentorship
- Using React.js, MaterialUI, JavaScript to develop the client-side of the project

Develop for Good - [Care Somalia](#)

New York, NY

Back-end Developer Volunteer

April 2021 – Present

- This project will be used by health staff of 20 health facilities for Internally Displaced People in Somalia and is expected to increase hospital birth delivery by 30% in the first year by tracking mothers' hospital visit dates
- Created entity-relationship diagram containing a database schema to blueprint column data element headers for the client
- Utilized Django to implement client-approved database models to track data as they relate to hospital service and visits
- Storing data in PostgreSQL to track staff and patient information for administrator and internal employee dashboards
- Used Django Graphene to implement GraphQL and created the queries and mutations.
- Authenticated all GraphQL endpoints using JSON Web Tokens (Graphene & JWT)

College of Staten Island, CUNY 2x

New York, NY

Lead Teaching Assistant, GitHub Campus Expert

June 2021 – July 2021

- Assisted students with interview questions during class in teams, working collaboratively to solve data structure questions
- Compiled and published a Gitbook page that includes class syllabus and professional development resources for students to use
- Planned and hosted Git and GitHub workshops to help students be better prepared for internships

Major League Hacking (MLH)

New York, NY

Software Development Internship

June 2020 – Aug 2020

- Led a team of 3 developers and won 1st place, out of 8 teams, in an MLH Hackathon by using PostgreSQL, Express.js, React.js, and Node.js (PERN) tech stacks to build an application that shows map of COVID-19 cases in any geographical area.
- Applied Ember.js to fix User Interface issues that were preventing sorting text from showing up, and created a modal to prompt a warning to the user if they click the delete button on a post
- Utilized Ruby-on-Rails to hide system queries from the backend in Discourse
- Leveraged React.js, Javascript and Google Maps API to show the map with Covid cases on the client side web application
- Stored information on a PostgreSQL database for initial user registration and login when returning to the web application

TECHNICAL PROJECTS

[Personal Portfolio](#) - Front-end web development

- Developed personal portfolio using React.js/CSS/Bootstrap/NodeJS to showcase my skills, experiences and projects

[BattleFood](#) - Object Oriented Programming

- Led development of a 2D Java and JavaFX game based on battleship board game using object-oriented concepts such as polymorphism, encapsulation, and inheritance
- Created a smart computer using ArrayLists to compete against the user

LEADERSHIP

"Hack-A-Project Club" Founder President - [Hack-A-Project Website](#)

- Founded a club for students to collaborate on projects and leading students to develop professionally and technically
- Utilized React.js to create a responsive informative website for the club

MLH & CUNY2X Sponsored Event Workshops

- **"Git into Github":** Led and organized a workshop to introduce git and github for my computer science college community
- **"Let's Python":** Lead instructor and organizer of a python workshop to introduce python basic syntax, regular expressions, and scraping twitter using BeautifulSoup for my computer science college community

[GitHub Campus Expert](#)

- Sponsored as a GitHub campus expert to support technical and professional development of computer science students