

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

Relevant Coursework:

Discrete Structures and Algorithms, C++ Programming, Database Fundamentals, Java, Data Structures, Computer Organization, Databases

CodePath.org University: iOS Mobile Application Design course

Staten Island, NY
Expected May 2022
Dean's List 2018-2020

January 2021 - May 2021

TECHNICAL SKILLS

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

Frameworks & Libraries: React.js, React-Redux, NPM, Bootstrap, Node.js, Express.js

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

PROFESSIONAL EXPERIENCE

Major League Hacking (MLH)

Software Development Internship

New York, NY

Jun 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 a 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

Develop for Good - Care Somalia

New York, NY

Backend Developer Volunteer

April 2021 – Present

The 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

- Creating entity-relationship diagram containing a database schema to blueprint column data element headers for the client
- Utilizing 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
- Implementing Unit testing using Django to assure that server-side development is properly functioning

TECHNICAL PROJECTS

GameFaves, Full-stack Web Application, Tech Talent Pipeline Capstone Project

New York, NY

Software Developer Student - Apprenticeship

Jun 2020

Interviewed and selected to participate in a full stack development bootcamp in which topics on use of PostgreSQL, Express, React.js, Node.js were first taught and then applied to delivering a minimum viable product in an agile environment.

Led a group of 3 members to develop a full-stack web application that allows a user to look up different video games and add them to their "Favorites" on their account.

- Created user login and registration pages using React.js and Redux Javascript libraries to create a user friendly front-end
- Used Axios for HTTP POST requests from an API called IGDB to search for video games and add them to a "Favorites" page using PostgreSQL, Express.js and Sequelize

ASSOCIATIONS & LEADERSHIP

MLH 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

"Hack-A-Project Club" Founder President

- Founded a club for students to collaborate on projects and leading students to develop professionally and technically

GitHub Campus Expert

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