

FAYED RAZA

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EDUCATION

Rutgers University

New Brunswick, NJ

BS Computer Science, Minor in Mathematics | Dean's List | GPA: 3.82

Sept. 2019 – Expected May. 2023

Relevant Coursework: Introduction to Computer Science | Data Structures | FIGS: Exploring Computer Science | Calculus II for the Mathematical and Physical Sciences | Introduction to Linear Algebra (**Upcoming Courses**): Computer Architecture | Discrete Structures I | Multivariable Calculus | Systems Programming | Mathematical Theory of Probability

EXPERIENCE

Rutgers University

New Brunswick, NJ

Data Structures & Introduction to Computer Science Learning Assistant

Aug. 2020 – Present

- Lead a recitation of **15-20** students per week
- Prepared lessons before teaching the class
- Made sure that students attended recitation and understood the lesson through group discussions and quizzes

Rutgers University

New Brunswick, NJ

Peer Group Tutor

Feb. 2020 – Sept. 2020

- Adapted teaching style to the unique needs of students
- Subjects include Introduction to Computer Science, **Data Structures**, and Calculus II
- Effectively communicated with the student to resolve his/her issue on a task/concept
- Assisted students in acquiring a better understanding of targeted weak areas within a subject or a subject as a whole
- Students who I have worked with performed very well in their class

PROJECTS

Group Project, Classroom Plus

Aug. 2020

- During HackIllinois, my group and I developed an educational platform that makes online classes during COVID-19 more engaging and interactive
- Lead and managed the front-end team from designing the prototypes in **Figma** to implementing the interface using the front-end technologies
- Created the front-end of the platform and its features (login, quizzes, chalkboard), using **HTML**, **CSS**, and **JavaScript**

Personal Project, Data Structures Website

Jun. 2020

- Developed a website that goes over the concepts in Data Structures, using **HTML**, **CSS**, and **Bootstrap**
- Website is to be utilized by people who want to learn/review data structures and algorithms
- The website goes over several data structures such as linked lists, hash tables, binary search trees, and algorithms such as Dijkstra's Algorithm, binary search, heapsort, etc.

Personal Project, Daily Deals Bot

Jun. 2020

- Created a Twitter Bot that tweets deals from Amazon, using **Python** and **Twitter API**
- Web scraped through Amazon's daily deals to extract the product's info, using **BeautifulSoup4**
- Each tweet includes the product's name, sales price, and link to purchase with a **100%** accuracy rate

Data Structures, Little Search Engine

Mar. 2020

- Built a search engine that will read texts and a list of stop words, using **Java**
- Search engine takes in words from the text and avoids words that are in the list of stop words
- A user inputs two words and the program returns the top five texts in order of words' occurrence in the text

RELEVANT SKILLS

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|---------------------------|--|
| Languages: | Java Python HTML5 CSS JavaScript C |
| Frameworks/Tools: | Bootstrap Git |
| IDEs: | Visual Studio Eclipse Vim Sublime Text |
| Operating Systems: | Mac OS Windows Linux |
| Other: | Data Structures Algorithms Object-Oriented Programming Web Data Extraction Figma |

CERTIFICATIONS

JPMorgan Chase & Co. Software Engineering Virtual Experience Mar. 2020

Java Oracle Certified Associate Aug. 2019