RABAB FATIMA

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EDUCATION

University of Houston
B.Sc Computer Science (major), Mathematics (minor), Graduated Dec 2018
Honors: GHC 2019 Women of Color in Tech Scholar; University of Houston GHC 2018 Scholarship; Deans List 2016.
Relevant Coursework: Game Art and Animation, Entrepreneurship for CS, Ubiquitous Computing, Web Security, Data Mining, Software Design, Introduction to Computer Networks.

SKILLS

Programming Languages & Platforms: C++, Java, Python, HTML, CSS, SQL, iOS/Swift, JavaScript, Bootstrap, jQuery, NodeJS, ExpressJS, MongoDB, jUnit, Git.
IDEs/Software: XCode, InteliJ IDEA, mySQL Workbench, Visual Studio Code, Sublime Text, Adobe Illustrator/Photoshop.
Software Engineering Paradigms: Object Oriented Design, Test Driven Development, Agile Methodology.

ACTIVITIES

The Learning Experience – After School Instructor
04/2019 - Current
Work as an after school instructor for elementary school students, teaching and conducting activities in topics of Math and Computer Science.

CodeRED Discovery 2018 - Hackathon – Director of Finances
05/2018 - 11/2018
- Executive decision maker, director and organizer for CodeRED - 2018 Hackathon.
- Handled all finances and budgeting for the hackathon.

ACM - CougarCS at University of Houston – Treasurer
05/2018 - 12/2018
- Executive officer responsible for handling all finances for the organization.

ACM - CougarCS at University of Houston – Secretary
05/2017 - 05/2018
- Responsible for organizing, documenting and managing meetings with the department, relevant third parties, and any other non-
- members.

Rewriting the Code - Member
11/2017 - Current

EXPERIENCE

Web Developer, Todo Lists: jQuery Web App
07/2019, 07/2019
- Responsive Todo Application using HTML, CSS, JavaScript, jQuery, while enrolled in The Web Developer Bootcamp - Github Link.
- Features include: Add new tasks, Mark Tasks as done, Delete tasks, Hide/Show Form.

Web Devloper, Patatap Clone: JavaScript Web App
06/2019
- Created a simple clone of Patatap.com web app while enrolled in The Web Developer Bootcamp - Github Link.
- Displayed with a black screen background, hit any alphabet key for animation to appear and play unique sound.
- Used JavaScript libraries paper.js for animations/graphics, and howler.js for playing sounds.

Web Developer, Color Game : JavaScript Web App
06/2019, 05/2019
- Game application developed using HTML, CSS, Javascript, while enrolled in The Web Developer Bootcamp - Github Link.
- The Game: Displayed by a set of colors and a RGB color description. You should guess what color is the RGB color.

Software Developer - Database Intern, University of Houston - Division of Research
07/2018 - 12/2018
- Designed and developed database for Strategic Communications Team to market the University Research Magazine.
- Suggested and wrote complex queries in mySQL to customize data retrieval to help form future research partnerships with research leaders within US.
- Designed database schema using mySQL workbench for relational database to store large dataset containing 1000+ rows.

Software Engineer Generalist/SDET, grüv. - Habit Tracker iOS App
09/2018 - 12/2018
- Developed a Habit Tracker app in Swift on Xcode to track user's habits based on regular input, in a group of 5 students.
- Used UITableView from UIKit and CardViewList in Swift to populate Habit categories and Habits onto Views.
- Wrote UI and Functional Tests for essential UI elements using XCTest framework from Apple to ensure low error rate - Github Link.

Android Developer & Instructor, Google Applied CS Workshop – CougarCS
04/2018 - 05/2018
- Facilitated and lead a 3 day Google Applied CS Workshop on Android Development that included over 30 students.
- The workshop centered on making an Android game called Word Stack that used the stack data structure and the drag and drop functionality. The game was developed on Android Studio and was programmed using Java.