Rehman (Ray) Arshad

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EDUCATION

The City College of New York (CCNY), City University of New York (CUNY)   New York, NY
BS in Computer Science | Overall GPA: 3.21/4.00   Expected May 2021
Relevant coursework:
Discrete Math, Data Structures, Probability and Statistics for Computer Science, Algorithms, Software Design Lab, Programming Languages, Databases, Numerical Issues in Scientific Computing, Theoretical Computer Science

SKILLS

Programming: C/C++, C#, Java, Python, HTML, CSS, JavaScript, R
Technologies: Xcode, Git/GitHub, Microsoft Office, Eclipse, CLion, Microsoft Visual Studio, Intellij Idea, Pycharm, Bash terminal, Vim, Sublime Text, Atom, Virtual Box, Unity, Blender
Operating Systems: Windows 7/10, Mac OS X, Linux (Arch, Ubuntu), iOS, Android
Spoken Languages: Urdu (Native), Punjabi (Conversational)
Certifications: Codecademy's HTML5, CSS3, Responsive Design, and Introduction to JavaScript

SELECTED PROJECTS

JavaFX Projects: Mar 2019 - Present
- Created a GUI contacts application, that takes a user's first name, last name, email address, phone number, and saves the information in to a text file.
- Implemented classes that overloaded inherited methods from parent classes.
- Utilized JDK 11 and the JavaFX library, while also applying styling using CSS, and modern design principles.

C++ Particle Fire Explosion: Aug 2018 – Nov 2018
- Created a GUI particle explosion program in C++, using the SDL2 library.
- Learned how to deal with manual memory management in C++

C# Unity Video Game: Jun 2019 – Present
- Created an immersive video game in the Unity Game engine.
- Implemented C# scripts linked to trigger events that would play ambient music, open doors, pick up objects, fire ammunition, play muzzle flash animations, play audio clips, and trigger enemy AI.
- Utilized the built in engine tools for animation, audio, lighting, textures, and particle systems, etc.

Inventory Management, CUNY Hackathon   March 2018
- Created front-end web-pages using HTML, and CSS which displayed input fields accepting product information.
- Worked collaboratively in a team of 4, utilizing git.
- Presented the idea in front of sponsors like Google, IBM, and Codecademy.

RELEVANT EXPERIENCE

CUNY Tech Prep   New York, NY
Software Developer Student   Jun 2019 – Present
- Selected for a full stack JavaScript training program, as one of 125 students out of 400+ applicants
- Learn in-demand technologies like React, Node + Express, and PostgreSQL as well as industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & Scrum with Trello and Slack, test driven development, and CI/CD

ASSOCIATIONS & INTERESTS

Association for Computing and Machinery (ACM), Sep 2016 – Present
Interests: Anime, Manga, EDM Music, Video Game Development and Motion Capture, Computer Hardware, Linux tools.