

AdilRabbani



+92 335 2927150



adil_rabbani@ymail.com



adilrabbani.github.io



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Education

NUST (National University of Sciences and Technology), SEECS.

Islamabad, Pakistan

Bachelors in Computer Science

CGPA 3.16 / 4

Core Courses : Object Oriented Programming, Data Structures and Algorithms, Computer Graphics, Linear Algebra, Digital Image Processing, Numerical Analysis, Artificial Intelligence, Operating Systems, Database Systems.

Foundation Public School

Hyderabad, Pakistan

Primary and Secondary Education in Pre - Engineering

Percentage 81

Experience

Google Summer of Code 2018

Processing Foundation

Student Developer (Graphics)

April 23/2018 - Present

Improved p5.js WebGL mode by implementing arc, point, bezierVertex, curveVertex, quadraticVertex. Worked on a number of issues related to these primitives. Ported some examples from Processing to p5.js. Working on implementing text.

Projects

Marbles

Three.js, Socket.io, JavaScript

Web based Multiplayer retro racing game that enables users to compete with each other in realtime.

Mathemagician

Corona SDK, LUA

Android game for young children to help them learn and improve elementary mathematical concepts.

Checkers

SFML, C++

Android application that allows users to visualize furnishings in a room through augmented reality.

Augmented Reality Interior Design

ARCore, Unity, C#

Checkers game against A.I using a simple version of Minimax Algorithm using Linked Lists.

Pedestrian Detection

Scikit-Learn, PIL, Numpy, Python

Pedestrian Detection in Images using Histogram of Oriented Gradients as the descriptor and Support Vector Machine as the classifier.

IdeaForest

Bootstrap, JQuery, AJAX, Php

A social networking website with chat client and realtime notifications system allowing entrepreneurs to connect with the developers.

Technical Skills

Programming

C, C++, C#, Python, LUA, JavaScript.

Web

Jquery, AJAX, Php, MySQL, Laravel, Bootstrap.

Tools

Git, Unity, Matlab, Visual Studio, GameMaker, Corona SDK.

Libraries

WebGL, p5.js, Three.js, ARCore, SFML, PIL, Numpy.

Extracurricular

- Taught children how to code in Scratch at a local school in Islamabad as a community service Project.
- Member of Processing Foundation Organisation at Github.
- Like playing video games, learning/reading about new things related to Computer Graphics.