

Farhan Muhtadi Rahman

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Education

2016-present Bachelor of Science in Computer Science (Class of 2020)
University of Massachusetts Amherst
Cumulative GPA: 4.0 Dean's List Fall'16, Spring'17
Relevant Courses: Object Oriented Programming with Java, Data Structures with Java, A Hands-On Intro to UNIX, Calculus I & II
Courses Taking This Year: Programming Methodology (Scala), Computer Systems Principle, Theory of Computation, Reasoning about Uncertainty

Projects

github.com/farhanMRahman

Football Maniac (Android)

github.com/farhanMRahman/FootballManiac

Play Store: <https://goo.gl/8EdK6B>

- A RESTful Android app that displays real time football scores, fixtures and leaderboards
- Used REST API to parse JSON data from a free web API using Java
- Used ArrayAdapter to recycle in ListView and a Service for background music
- Implemented LinearLayout and RelativeLayout for the UI of the app using XML syntax
- Used SharedPreferences and HashMap for storing user's favorite teams and efficient lookup
- User can customize their preference of favorite teams and made different intents for displaying results, position on leaderboards and next fixtures

TextWizard (Java)

github.com/farhanMRahman/TextWizard

- Simple text editor and word analyzer; implemented it using Java and Swing library
- Used BorderLayout for the frame and GridBagLayout for the analyzer panel
- Analyzer panel has some features like total word count, average word length, word length percentages etc., editor panel lets the user edit and save any text file

CalcVerter (Java)

github.com/farhanMRahman/CalcVerter

- Scientific calculator and unit converter; implemented using Java and Swing library
- Calculator panel has basic scientific calculation features and converter converts from one unit to another
- Used BorderLayout for the main panel, GridLayout for the calculator panel, GridBagLayout for the converter panel and FlowLayout for the toolbar
- Implemented Key and MouseKey listeners so user can use both mouse and keyboard for input

Personal Website (HTML5, CSS3)

farhanMRahman.github.io

- A simple portfolio website made with HTML5 and CSS3; has all my projects, the source codes and screenshots of the projects
- Has different tabs for different features like projects, about me, contact etc.

Skills

Language: Java, C

Library: Swing, Google Firebase

Operating System: Windows, UNIX, macOS

IDE: Eclipse, Android Studio, Codeblocks

Others: HTML5, CSS3, SQL

Experience

Dunkin Donuts/Baskin Robbins
Crew Member (Brooklyn NY, Nov 15 – Jun 16)

Richdale Convenience Store
Clerk/Cashier (Rowley MA, Jul 16 – present)