Mahmoud El Bestawy

Software Developer

A capable and passionate computer science student ready to create, develop, and change the world.

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Projects

Web Development

React.js Favourite City Survey Web-app (https://best-city-vote.web.app) — *5 / 2020 - Present*

Designed and implemented a web-app using the React.js library and Firebase backend functionality. Utilized React features such as state manipulation, event-handling, event-propagation, and use of the component life cycle. Additionally, used Firebase's Firestore functionality to collect votes from users and to send information about the stored votes to dynamically render components of the web-app.

Personal Website (https://mahmoudme.com) — *10 / 2018 - Present*

Created responsive layouts using HTML and CSS/SCSS that remain attractive at multiple screen sizes. Implemented JavaScript modules using jQuery to render elements of each page as well as to implement event-listeners for clicking, scrolling, or resizing the screen.

App Development

Truth or Dare Android App (shorturl.at/dnvGN) — *7 / 2019*

Designed app UI using Adobe XD. Incorporated Model-View-Controller design pattern in implementing the different modules of the app. Incorporated Singleton design pattern to implement the module responsible for collecting and handling data from the player. App was implemented using Java and the UI using XML in Android Studio.

Work Experience

Xtend Education

Computer Science Instructor — *11 / 2019 - Present*

Explained programming concepts such as loops, functions, and conditionals to high school students. Taught students Java and Python basics using different Java graphics libraries and pygame. Provided aid to students on computer science related homework and school projects. Created a custom course for beginner programmers to python.

Education

University of Toronto — Bachelor of Science Candidate: Computer Science

09/2018 - Present

- *Data Structures and Analysis*
- *Computational Complexity and Computability*
- *Software Tools and Systems Programming*
- *Software Design*
- *Intro to Neural Networks and Machine Learning*
- *Computer Organization*