


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. In the creation of this web-app, Utilized React features such as state manipulation, event-handling, event-propagation, and use of the component life cycle. Also used Firebase's Firestore to gather 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 the Header and footer 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 screens of the app. Incorporated Singleton design pattern to implement the module responsible for collected data about the players' inputs. App was developed using Java and the UI using XML in Android Studio.

Work Experience

Xtend Education

Computer Science Instructor — 11 / 2019 - Present

Explained programming concepts such loops, functions, and conditionals to high school students. Taught students Java and Python basics with use of Java graphics libraries and pygame. Helped and gave students feedback on computer science related homework and school projects, as well as created 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