Andrew Iliescu

Computer Engineer | Software Developer

Info

Phone
(773)-370-6269

Email
iliescuandrew@gmail.com

Links
GitHub

LinkedIn

Personal Site

Skills

Python | 2 years

Java | 4 years

JavaScript | 1 year

React.js | 1 year

Node.js | 1 year

Express.js | 1 year

HTML/CSS | 2 years

C/C++ | 2 years

Git | 3 years

Linux OS/Terminal | 3 years

Databases SQL/SQLite | 1 year

Android App Development | 1 year

Education

Milwaukee School of Engineering

Bachelors of Science in Computer Engineering | May 2021

Additional Field of Study in Mathematics & Business Administration | May 2021

Personal Statement

My professional goal is to apply the skills and knowledge I have spent years learning and refining in the interest of achieving success. My personal goal is to ensure that no matter what I do, I will continue to learn and develop.

Projects

Prims Algorithm | Python
- Worked in a team to implement Prims Algorithm to traverse the shortest path of a graph from any random starting node.
- Created custom graph and tree classes to generate and store the data and perform the calculations needed to traverse the graph.
- Created a demo using varying sized graphs to determine the run time complexity by utilizing Matplotlib and NumPy.

Smart Brain | React.js-Express.js-PostgreSQL
- Built intuitive and inviting frontend using React.js.
- Utilized the Clarifai API determine the locations on an image that contained a human face and display a box around said face highlighting it to the user.
- Used Express.js to create the backend server that would handle HTTP requests from the frontend.
- Data was sent using JSON between the frontend and backend.
- Implemented proper security measures by hiding the API key and hashing users passwords using bcrypt.
- Persistence was implemented by using a PostgreSQL database to store user credentials and accompanying information.
- Lastly, Heroku was used to host the website

FlashBoard App | Java
- Worked in a team to create an Android application for car enthusiasts and racers.
- Provided real time speedometer values and g-force visualization as well as means to plot and export the collected data.
- The phone sensors and Google's FusedLocationProvider Client were utilized to gather the data.
- Data was stored in a Realm database and could be exported to a CSV document.
- Google maps was integrated to plot the user's course along with accompanying data right through the app.

Achievements

Dean's List at MSOE

Honor Roll at MSOE

GPA: 3.5/4.0

Peter I. Georgeson Scholarship Recipient

Westmoreland Scholarship Recipient

Innovent Center Competition Grant Winner

Experience

Programming tutor | 2020-present
- Worked with the following languages: Java, Python, and C/C++.
- Collaborated with students to complete assignments, identify lagging skills, and correct weaknesses.
- Ensured that students had a proper understanding of object orientated programming concepts and common practices.