

# Andrew Iliescu

## Computer Engineer | Developer

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### Info

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#### Phone

(773)-370-6269

#### Email

[iliescuandrew@gmail.com](mailto:iliescuandrew@gmail.com)

#### Links



GitHub



LinkedIn



Personal Site

### Skills

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Java

JavaScript

React.js

Node.js

Express.js

HTML/CSS

C/C++

Python

Git

Linux OS/Terminal

Databases SQL/SQLite

Android App Development

### Education

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Milwaukee School of  
Engineering

Bachelors of Science in Computer  
Engineering | May 2021

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

Maine East High School | 2017

### Personal Statement

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My professional goal is to add to the success of the company I work for by utilizing my problem-solving abilities, leadership qualities, and diligent work attitude. I have a passion for team driven success and find great joy in helping others.

### Projects

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#### Paint GUI | C++

Created a barebones version of Microsoft paint in C++ where I utilized the functionality of the C++ coding language to create multiple classes for shapes that allows the user to customize and draw unique figures on a GUI.



#### Prims Algorithm | Python

Worked in a team to implement a working version of Prims Algorithm to traverse the shortest path of a graph from any random starting node. Needed to create a custom graph and tree class to store the data and perform the calculations needed to traverse the graph. Also, created a demo using varying sized graphs to determine the run time complexity.



#### Smart Brain | React.js-Express.js-PostgreSQL

This project was built using React.js to create an inviting and intuitive frontend for the website. This site allows a user to search any image of a face and then using the Clarifai API it creates a box encompassing said face. I also utilized Express.js to create the backend server that would handle any requests from the frontend using JSON and it also hashes the user's passwords. Lastly, I implemented persistence by using a PostgreSQL database to store user credentials and keep track of the number of searches they completed. These files were then hosted using Heroku.



#### FlashBoard App | Java

Worked in a team to create an Android application for car enthusiasts and racers to see real time speedometer values, use the phone's sensors to display a graphical view of the directional g-forces acting on the vehicle, and track data for the route that the device covered. All the information is printed to a CSV file and the app also includes Google Maps integration that utilizes markers to display the route and data to the user. All the information is stored in a Realm database.

### Achievements

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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

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Westmoreland Country Club

Honor Level Golf Caddie | 2015-present

Programming tutor

Java, C/C++, Python | 2020-present