

# Emanuel Aseghehey

emanulaseghey9@gmail.com | (813) 447-4473 | Tampa, FL | <https://www.linkedin.com/in/emanuel-aseghehey/>  
| <https://github.com/easeghehey>

## EDUCATION

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**(Honors) Bachelor of Science in Computer Science**, University of South Florida, Tampa, FL Expected Dec 2023  
GPA: 3.93 / 4.0

## SKILLS AND AWARDS

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Programming:	Python, Javascript, C++, C, Java, HTML, CSS, Node.js
Technologies/Environment:	Git, API, React, Flask, MySQL, PostgreSQL, SQLite, VS Code, Linux
Skills:	Adaptability, Planning, Observation, Problem solving and Teamwork
Scholarships:	West Africa Management Service
Awards	2x Dean's List, Honor's College
Spoken languages:	English, Portuguese and Spanish

## EXPERIENCE AND LEADERSHIP

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**USF - Computer Science Department** May 2022 – Present  
*Teaching Assistant* Tampa, Florida

- Provide service to the professors in organization and preparation for the course material.
- Guide students in understanding class concepts and assess them on the content taught in class.

**USF - Mathematics and Statistics Department** Aug 2021 – Present  
*Calculus Peer Leader* Tampa, Florida

- Assist, tutor and guide undergraduate students with complex mathematical concepts.
- Lead a team of other peer leaders to manage and prepare in their assistance to other students.

## PROJECTS

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**Optic-mization** Jan 2022 – Jul 2022

- Devised full-stack web application that recommends glasses based on a user's facial shape.
- Implemented various features such as account creation, login and file upload.
- Utilized a Python Machine Learning library to detect and track facial features.
- Improved performance by incorporating tools like Flask, SQLite, HTML5, and CSS3

**Twitter Ratio Bot (@\_ratiobot)** Jun 2022 – Jul 2022

- Collaborated with a team of developers on a Twitter bot that interacts with users upon mentions.
- Has interacted with over 100 users and performed more than 300 requests.
- Optimized performance using tools like APIs, Python and Tweepy.

**FIRM-DBMS** May 2022 – Jul 2022

- Programmed a full-stack website that models investment banking and allows users to purchase and sell stocks.
- Utilized a MySQL database to store users with different roles, including ones for CRM and UX handling
- Enhanced its performance by integrating session management and tools such as Flask, Python, HTML5, CSS3

**Manage Pro** Jan 2019 – Mar 2019

- Devised a Graphical User Interface intended for soccer coaches to manage players and make better tactical decisions.
- Utilized an API to retrieve all the data for the soccer players.
- Implemented using Java, Oracle and JDBC.