Tyler Algigi

(239) 404-2255, talgigi2018@fau.edu, 4583 Luminary Ave Naples FL
https://github.com/tyleralgigi

EDUCATION

Boca Raton, FL   **Florida Atlantic University**   **June 2018 - 2022**
- Bachelor of Science in Computer Science
- Data Science Certification

PROJECTS

Senior Design Project ISense Smart Stethoscope

https://github.com/tyleralgigi/SmartStethoscope
- Worked with a team of engineering seniors to develop a remote healthcare application and smart stethoscope.
- Developed a frontend cross platform mobile app using **React Native.**
- Created a backend database using **MongoDB** for user storage and an **EC2** instance for audio file storage.
- Implemented single-sign on, state management, a bluetooth stethoscope connection, a solid UX user experience.

Sorting Algorithms Visualization

https://github.com/tyleralgigi/SortingVisualizer
- This is a command line interface application that visualizes several sorting algorithms.
- Solution created in **Python** using **Matplotlib** and **NumPy** library

Boston House Price Regression Software

https://github.com/tyleralgigi/house-prices-regression
- Develop a solution for the Kaggle House Prices regression competition.
- Solution created in **Python** using **Scikit-Learn** library

Traveling Salesman Genetic Algorithm

https://github.com/tyleralgigi/TSG-genetic-algo/
- My solution to the Traveling Salesman Problem given by Introduction to AI professor.
- Developed solution in **Python** using **NumPy** and **MatPoltLib.**
- Implemented by using ordered crossover strategy, tournament selection and genetic selection.

WORK EXPERIENCE

Student User Support Services   **FAU OIT Help Desk**   **January 2020-Present**
- Maintain FAU computer systems and software.
- Work with FAUs active directory, roles and troubleshooting on Windows, Linux, and Mac.
- Provide technical assistance to customers via phone, email, or ticketing system.

Technology Department Intern   **Collier County School District**   **June 2019-August 2019**
- Support the It team in maintaining hardware, software, and other systems.
- Installed new ethernet ports and wireless access points across the school district.
- Configured and deployed over 1000 Microsoft Surface Book and HP ProBooks.

TECHNICAL SKILLS/RELEVANT COURSEWORK

Programming Languages: Python, JavaScript, R, HTML ,CSS, C, C++, SQL, MATLAB, GraphQL
Frameworks and Libraries: React Native, Django, Flask, Tensorflow, Scikit-Learn, NumPy
Software Dev Tools: Scrum, Agile Principles, GitHub, AWS(EC2), Firebase, MongoDB
Coursework: Intro to Data. Struct., Intro to AI, Intro to Deep Learning,Python Programming, Principles of Software Eng.

ORGANIZATIONS & AWARDS

Kappa Sigma Fraternity/Pledge Class Vice President • September 2021-Present
Developer Student Club • August 2019-Present
FAU MISA • July 2020-PresentManagement Information Systems Association