

# Yahia Eldeib

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2845 Blue Spruce Court, Lake Worth, FL 33462 | (954)682-4718 | yaeldeib@gmail.com

## **Education:**

### **UNIVERSITY OF FLORIDA | BACHELOR'S DEGREE | 01/2017 - 12/2020**

- 4<sup>th</sup> year Computer Engineering student
- GPA 3.91
- Four semesters on Dean's List and two semesters on President's Honor Roll

## **Technical Skills:**

- Proficient programming languages: Java, Python, Angular, C++, C, JavaScript, Reactjs
- Development using Spring Boot framework
- Programming embedded systems, specifically programming XMEGA processors

## **Projects:**

- Implemented Minesweeper game with C++ using SFML library
- Created a web app using Angular and Spring Boot that provides students with locations that have free food
- Configured two XMEGA microprocessors to send data to each other through serial communication using infrared signals

## **Experience:**

### **RESEARCH ASSISTANT | UF ARC LAB | SPRING 2019 - PRESENT**

- Wrote a Python script that analyzes experiment data from excel files and plots graphs using matplotlib to help users interpret their results
- Implemented a Python script that calculates the correlation coefficient between two variables in different experiment conditions

### **SOFTWARE ENGINEERING INTERN | CITIBANK | SUMMER 2019**

- Developed Angular data visualization dashboards from machine learning data modeling on 200,000 customer surveys to identify key pain points for Citi customers
- Designed and implemented a common code library for the ATM Modernization Team that will be applied to all ATM microservices created
- Set up a MongoDB database to store records of microservice availability tests
- Created an Angular service that runs every 15 minutes and stores records of Login microservice availability tests in my MongoDB instance to better identify which teams need to improve their microservices' performance

### **PROGRAMMING FUNDAMENTALS 2 TEACHING ASSISTANT | UNIVERSITY OF FLORIDA | SPRING 2019**

- Assisted students in designing the structure of their programs during lab sections and office hours
- Provided feedback to students on how to improve their code's efficiency and readability

## **Extracurricular Involvement and Leadership:**

### **ROWING | 06/2012 - 03/2020**

- Treasurer of UF Rowing Team
- Represented Egypt in the World Rowing Championships of 2017 in the LM2x event