

# Omar Shalaby

Orlando, FL

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## EDUCATION

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- **University of Central Florida** Orlando, FL  
*Bachelor of Science in Computer Science* *September 2018 - May 2023*

## PROGRAMMING SKILLS

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- **Languages:** JavaScript, TypeScript, HTML, CSS, Apex, C++, C#, Python, C, Java, LaTeX, PHP, MySQL
- **Libraries/Frameworks:** React, React Native, Node.js, Express, .NET, TensorFlow, Scikit-learn, Pandas, Matplotlib

## WORK HISTORY

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- **ADT** Boca Raton, FL  
*Software Engineer Internship* *May 2023 - September 2023*
  - As a full stack developer, created an internal employee permissions management app for manager/director use across the company using Apex for the backend and Lightning Web Components for the front end.
  - Incorporating features such as the initial loading of data, search, and exporting selected data as a csv file in the scope of over tens of thousands of users worth of data.
- **Universal Studios Orlando** Orlando, FL  
*Food Service* *May 2018 - May 2023*
  - Delivered food in a timely manner while providing great guest service.

## PROJECT EXPERIENCE

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- **Workout Buddy**  
*React Native, Node.JS, Express, MongoDB hosted on Azure*
  - Collaborated with a team of 5 on a MERN stack mobile app that allows users to create, customize, and schedule workouts along with notifying pairs of users that are friends and are scheduled to workout together to encourage finding an exercise partner.
  - Designed and implemented front end for landing page, workout/exercise selection, settings, login/register UI using React Native.
- **Our Cooking Mama Social Media App**  
*MongoDB, Express, React, React Native, Node.JS hosted on Heroku*
  - Collaborated with a team to create a cooking-based social media app that is optimized to lazy load in recent posts of the accounts the user follows on both web and mobile.
  - Optimized lazy loading algorithm to reduced load time roughly 15% for the front end UI to create a more welcoming and interactive UX.
- **Contact Manager**  
*HTML, CSS, JavaScript, PHP, MySQL hosted on Digital Ocean*
  - Full LAMP stack site that handles a user base of 10,000+ users and lets each user create and store over 10,000+ contacts.
  - Designed a lazy loading algorithm for front end UI to optimize load times by 12% for better UX.
  - Designed frontend UI with HTML, CSS, JavaScript and Bootstrap to create an interactive UI.
- **ESRB Rating Predictor**  
*Python, scikit-learn, Matplotlib*
  - Python program that ingests roughly 1900 PS4 and Xbox One games and their ESRB ratings and the categories that give them their ratings and predicts future games ratings optimized to have around 95% accuracy.
  - Part of a data science competition with over 300 other competitors and place in the 96th percentile.