MARWAN ABDELWAHAB

Open to Re-location

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EDUCATION

University of South Florida – Tampa, FL   Graduation: **December 2025**

Bachelor of Science in **Computer Engineering**   GPA **4.0/4.0**

SKILLS

Programming	Python, C/C++, HTML/CSS, JavaScript
Technologies	Git/GitHub, Flask, Flutter, Cadence Virtuoso, Linux, NodeJS
Languages	English (Fluent), Arabic (Native), French (Beginner)

EXPERIENCE

Summer Conference Specialist & Mail/Desk Clerk   May 2024 – Present

USF Housing & Residential Education   Tampa, FL

- Provided front desk support and customer service for **5000+** conference and camp attendees, spanning **20+** different groups, ensuring smooth operations and contributing to a **98%** customer satisfaction rate based on post-event surveys
- Managed key tagging, check-ins, and check-outs for up to **300** attendees daily, ensuring minimal wait times and reducing check-in errors by **10%** compared to previous seasons
- Processed mail and packages for **2000+** students weekly, managing **500+** packages and inquiries daily, leading to a **20%** reduction in mail handling errors and a **95%** student resident satisfaction rate

Mobile Application Development Intern   July 2023 – August 2023

Hassan Allam Technologies   Cairo, Egypt

- Built a prototype for company's mobile portal by working in a team of **4** utilizing the **Dart** programming language in the **Flutter** framework to develop a calendar module app to be used by **3000+** employees across all sectors
- Researched efficient functionalities for calendar module to propose **5+** distinct ideas for user-interface design and experience and contributed to narrowing down the final design for the app prototype
- Participated in team discussions by attending **3** meetings per week regarding future app deployment and engaging in discussions to check for potential bugs and leading to producing a more robust app and a more seamless user experience

LEADERSHIP & EXTRACURRICULAR

Electronics & CS Team Lead – *Society of Aeronautics and Rocketry at USF*   August 2024 – Present

- Led a team of **10** students in developing the control and data acquisition systems for a liquid rocket propulsion project, using **ESP32** microcontrollers to integrate real-time sensor data (thermocouples, load cells, and pressure sensors) through a custom-built software interface
- Successfully conducted a static fire test, achieving **100%** safety compliance and driving iterative design improvements, with a preliminary design now in place for the actual rocket launch
- Collaborated with aerostructures and test stand structures leads to seamlessly integrate electronics and software with the propulsion system, resulting in a fully synchronized, high-performance test platform

Treasurer – *Egyptian Student Organization at USF*   September 2023 – Present

- Supervising the organization's budget and financials by implementing a new budgeting strategy that involved tracking expenses and university funding and accomplishing an increase of **50%** in funding for the **2024-2025** academic year
- Co-ordinating expenses among E-board members by planning more fundraising events and gaining **30+** new club members

PROJECTS

Blog Website – Flask

- Developed a full-stack blog website using **Flask** for backend logic, integrating Python with a front-end built using **JavaScript**, **HTML**, and **CSS** to deliver a seamless user axperience
- Built and managed **REST APIs** with Flask for handling database operations, user authentication, and content management, using encryption to securely store passwords and protect user data
- Used **Git** for version control throughout development, ensuring smooth collaboration and code management, while deploying the website temporarily for real-world testing