

# Sara Townsend

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**OBJECTIVE** To obtain a full-time, entry-level Software Engineering position.

**EDUCATION** Embry-Riddle Aeronautical University Daytona Beach, FL  
**Bachelor of Science, Software Engineering** May 2022  
Minor: Cyber-Security Engineering

**CERTIFICATE** **Google UX/UI Design Certificate** Online, April 2023  
Completed a demanding training program to prepare for entry-level employment. 15 sessions covered subjects such as the principles of user experience research, inclusive design, low-fidelity and high-fidelity prototypes, and software programs like Figma and Adobe XD. To acquire the certificate, students had to finish practical assignments and create a portfolio with three projects.

**PROJECT EXPERIENCE** **Senior Preliminary Design Project – Eco-Car Autonomous Driver System:** Member of 4 person team  
While working in tandem with the Eco-Car club the team helped to develop the decision making logic system for the autonomous driving function of the Eco-Car. The project required the use of python, Simulink and the use of the Agile Scrum Method.

**SQL Class Project – Furniture Inventory System:** Individual Project  
Based on personal experience from working at Aarons I developed a new sales and inventory application. Based on given requirements a database of Aarons inventory was created using MySQL. Then Netbeans was used to create the front end of the application and contact the database.

**Software Engineering Class – Star Finder:** Scrum Master of a 4 person team  
While gaining a mastery of the Scrum method I lead our team of 4 Software Engineers in developing a star detection system while using Visual Studio and java.

**WORK EXPERIENCE** Remote, FL  
**PM Scheduler, GE Healthcare** May 2022 - Present

- Coordinate and schedule the Planned Matiences with Healthcare Providers for 20 GE Field Engineers.
- Ensuring safety and quality are the primary focus of every activity.
- Analyze and forecast business needs for both demand and supply capability
- Network and attend training to stay current on industry trends and best practices

**Student Assistant, ERAU Aeronautical Science Department** Daytona Beach, FL  
February 2018 – May 2022

- Manage enquiries and attend to visitors, including but not limited to, directing calls and visitors to appropriate staff member, answering student enquiries, be the ambassador of ERAU
- Assist with mail collection, courier receipt, delivery, maintain cleanliness of the reception area, office pantry.
- Support in ad-hoc tasks and/or projects, as assigned Qualifications

**Sales Associate, Aarons Rent to Own** Daytona Beach, FL  
January 2020 – May 2022

- To be a positive, energetic force on the floor, driving sales by engaging directly with customers.
- Help clean, organize, and move merchandise
- Handle clerical duties like customer files and contracts.

**SKILLS** *Engineering Software:* java, Python, SQL, MatLab, Programming in C/C++, CATIA v.5, Simulink, Figma, Scrum, VMware, Visual Studio, Linux, Kali-Linux, Ubuntu, IOS, Windows  
*Office Software:* Microsoft Word, Excel, PowerPoint, Publisher, Access, Teams, Adobe Suite

**LEADERSHIP/ INVOLVEMENT** Orientation Leader, Student Orientation Team, Fall 2018 - Spring 2022  
102.5 WIKD Radio Personality, Spring 2017-Spring 2022  
Emerging Leader Mentee/Mentor, Spring 2018- Spring 2022