

Markus Schultz

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Objective:

My goal is in the next 5 years to be a full- stack developer or senior developer leading a team. On projects that are important to a community.

Experiences:

Software Developer, Application Factory Inc., Beaumont, TX April 2019 - PRESENT

Worked on a Window application called DangerTagsVI. It was developed for oil refineries, to manage their lock out tag out system. The system is required by OSHA, the plant needs to tag critical points, marking them for their hazards and last time they were maintained. The application let them keep track of this easier with simple ui, and division of jobs. Some of the features were: it backed everything up to an SQL database for safekeeping, printed tags, and could print reports based on selected tag types. I worked as both frontend and backend developer. Helping design and implements sql queries and the ui to display the data. We used github to manage the version and record any issues in the softwear.

Technologies/Enviments: C#, .net, WPF, MVVM,SQL,AsyncTask,XAML, github, git terminal, Visual studios 9

I was also in charge of the Application Factory site. Its main goal is to help the customer get in touch with the company and to understand what the company is offering. There is an email list, social media links, and info pages describing the company and the DangerTag product.

Website:<https://applicationfactory.com/>

Technologies/Enviments: HTML, CSS, PHP, Wordpress

Last project I worked on was a DangerTags IOS/Android app, called DT Mobile. It is designed to work in conjunction with the window application helping onsite managers track tags away from the pc. It let the user certify points by scanning the tags while on the job site using their phone camera and printed barcode. Then commit and update the SQL database when returned to the office. Currently in testing stages I worked on the project from setting up testing environment and development to implementing new ui.

Technologies/Enviments: JSON, Angler 2+, Ionic, Android emulator, VS Code, github, git terminal

Skills:

- Coordinated with a small team
- Assisted in designing Database architecture
- Wrote instructions for other team members
- Directed team to keep the app inline with Google design principles
- Worked on in house wiki for installation and using of the app

Lab Technician, Lamar CS Department, Beaumont, TX September 2018 - May 2020

My job was setting up and maintaining the variances computer labs, and assisting students with login and homework, and giving access to the printer when allowed.

Skills:

- Set up network printer
- Worked with security team setting up network up to their standards

Technologies/Enviments: Window, linx (ubuntu), Terminal, Mac

Cardinal Community Mentor, Lamar University, Beaumont, TX September 2018 - Dec 2019

Job consisted of teaching a class of first year computer science students. The topics were how to survive class and some general programming tips. The class was once a week and would have planned study hall time where students would bring in questions.

Skills:

- Planned semester worth of activity and class lectures
- Help students in and outside of class with school and life
- Lead group bonding activity
- Toke role
- Work in material given to me by my mentor or boss
- Had over 10 students take the advances corse with me the next semester

Technologies/Enviments: Power Point, Google drive, Google Sheets, Google Slides

Researcher Stair Step, Beaumont, TX February 2013 - October 2014

Stair Step is an undergrad research group. Their two main focuses are high school outreach and research. Their research varies between students and professors that are managing the program. My part was to use Machine Learning AI, in a factory setting. The goal was to design an Ai that could load and unload a truck while keeping track of where everything was in a warehouse. I managed a simulator program called V-Rep to train the robot for different warehouses.

Skills:

- Designed the warehouse and 3d robot
- Worked on some the actions the Ai could take like move to node and stop
- Presented at highscool to promote the stair step program and my school

Technologies/Enviments: V-Rep, Power point, DropBox, Eclipse

Activity and Projects:

Association Computer and Machinery (ACM) President 2018 - 2019

Administered events examples: bake sales, lan parties, code jams, game nights, and movie nights

Hack Houston April 2019

Lead a team and won the website design challenge.

Education

Bachelor's in Computer Science From Lamar University, Beaumont, TX August 2012 - May 2020