Sari Abdel-Latif

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PROJECTS

Indoor Mapping System (IMS)   August 2013 - April 2014

Description:

• Graduation Project,team consisted of 6 members. Goal of project to design a vehicle to autonomously map a building floor and generate a 2D map of it, with points of interest (e.g. doors, name plates) shown at their respective locations.

• Source Code available on GitHub (https://github.com/s-ltf/IMS/tree/draft)

Role:

• Was in charge of back end integration, designing of databases, communication modules, generating 2D map out of processed sonar data.

• Utilized a variety of technologies (mongoDB, redis , Flask (Python Web-framework) , javascript)

• Designed, implemented and deployed the web front page.

Research In Motion (Blackberry)   Internal Projects (2012/2013)

Description:

• Parse through different logs and upload them through python scripts

• Designed multiple batch files and shell scripts to collect data

• Co-designed and Developed a C# based tool to communicate with devices through command line and simplify the usage of the different manual testing frameworks.

Py-Web-Essentials (PWE)   Open Source Project (2012)

Description:

• Provides Wrapper functions for popular online APIs,i.e. weather,geolocation and other

• Source available on GitHub (https://github.com/s-ltf/py-web-essentials)

HiCal   School Course Project (2010)

Description:

• Software Design II Course's Final Project, team consisted of 5 members.

• Was Team leader, lead in planning and executing the program from specifications collection to final debugging stages

• Was in charge of UI and final compiling and testing of the program.

• Developed the program entirely using the Java language.

• Our team was one of the few who got a perfect score.