

Manuel Toledo

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EDUCATION

Florida International University | Miami, FL

Expected Dec. 2020

- **Major:** Bachelor of Science in Computer Science
 - Software Design and Development Track
- **Coursework:** Software Engineering II, Software Testing, Data Structures, Database Management, Theory of Algorithms, Operating Systems, Game Theory
- **Membership:** Upsilon Pi Epsilon
- **Dean's list:** 1 semester 2020

Software Projects

Robotics Academy Website

Summer 2020 – Winter 2020

A web application focused on teaching robotics courses to students, worked on for Capstone II

- Worked with 3 other developers in an agile scrum work setting
- Pulled user data from a MySQL database and incorporated ajax calls to create a no refresh bootstrap table with server-side pagination
- Designed, implemented and tested a dynamic quiz system incorporating JavaScript and jQuery to pull information from an instructor

MIDAS

Spring 2020

A mobile and web financing application designed for Software Engineering II

- Developed general designs for application
- Followed the Rational Unified Process to determine project goals
- Worked with 2 team members to design use cases for different functionalities in the project
- Utilized UML to architect and specify functionalities in the system.
- Implemented a microservice architectural pattern to modularize the system services
- Split the system into 4 tiers during the blank
- Redesigned the system in each step Requirements analysis, requirements elicitation, system design, and detailed design

Automatic-resolution-changer

Nov. 2014 - Dec. 2016

Changes monitor resolution once a desired process or application appears or closes

- Incorporated the PySimpleGUI QT library to develop a streamlined GUI for easier user interaction
- Implemented a batch file that uses QRes to change monitor resolution
- Processed and saved user input using JSON

Henry Website

June 2010 - July 2014

Functions as an online database for Database Management course

- Implemented using node.js, jQuery and MySQL
- Used

SKILLS

Languages: (*proficient*) Java, Python, JavaScript, HTML, CSS, PHP, UML (*familiar*) C/C++, SQL, Bash script, F#, MIPS

Frameworks: Laravel, Express.js, Bootstrap, Agile Scrum

Tools and Technologies: Git, MySQL, Node.js jQuery, WSL, MySQL, Google cloud

Spoken Languages: English (Native), Spanish (Native)

Todo:

Add teaching interactions with team members