VALERIA HEREDIA

Aspiring Software Engineer

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EDUCATION

B.S. in Computer Engineering

Texas A&M University

August 2019 - May 2023 College Station, TX

- Minor in Computer Science
- Minor in Electrical Engineering
- Current Sophomore / GPA: 3.66

EXPERIENCE

Software Engineering Intern

VEX Robotics

June 2018 - August 2018 Greenville, TX

- Developed GUI Software Tool for developers, using C#
- Auto port detection and port disconnect
- Intellisense for quicker debugging while testing special functions
- Built in terminal to let developers only have to use one tool
- Worked extensively in C++/C#/Visual Basic

Robotics Intern

NASA JSC

June 2019 - August 2019 Clearlake, TX

- Developed software for a robotic spider, mimicking spider like movement to investigate potential threats to police/military personnel
- Linux development
- Worked in C/C++

PROFESSIONAL ORGANIZATIONS AND ACTIVITIES

Lead Programmer

FIRST Robotics Competition Team 624

September 2015 - May 2019 Katy, TX

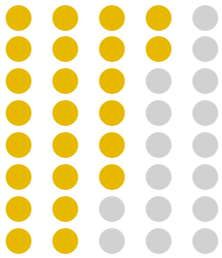
- Taught LabVIEW programming to over 400 students in KatyISD during fall semester courses
- Developed software for cross-subsystem automation using sensors, closed-loop PID, and state machines
- Created LabVIEW software for auto-balancing using closed-loop PID and gyro sensors
- Worked with accelerometers, LIDAR, Vision tracking, Serial communication, UDP & TCP Communication

Texas A&M RI3D Team Week 6

August 2019 - Present College Station, TX

- Assembled an electronics system for 120lb robot with time constraint of three days

LANGUAGES



TECHNICAL SKILLS

UI Development | Git | VSCode | UNIX | Visual Studio | Xilinx SDK | Ubuntu | Windows | PID/PIDF | Eclipse | PyCharm | GitExtensions | Microsoft Office

SOFT SKILLS

Hard-working | Fast learner | Team player | Multitasker | Fluent in Spanish & English

REFERENCES

- Available upon request