

MIGUEL CHAIRES

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EDUCATION

University of Texas Rio Grande Valley, Edinburg, Texas 2015-Current
Bachelor of Science in Electrical Engineering

Brownsville Early College High School, Brownsville, Texas 2011-2015

AWARDS

HackTX Finalist Fall 2015
2nd place at HackTX event. Helped team design an autonomous solar harvester that will differentiate when to buy electricity or when to put electricity back onto the grid. Robot was designed to relay constant levels of power, and voltage to tablet and internet server. Worked on interfacing MATLAB with National Instruments MyRIO, and designing a server that would display power levels on tablet, and online.

PROFESSIONAL EXPERIENCE

Keybotics
Robotics Engineering Intern – Electrical Components 2015-2016
Aided in design of control system on robot that will be utilized to clean the Arecibo Observatory in Puerto Rico. Created summary as to what external components needed to be bought, and what components could be manufactured in house.

SKILLS

Programming Experience – C++, MATLAB, National Instruments LabVIEW.
Writing Skills – Efficiently produce concise technical reports and papers.
Social Skills – Efficient when working in teams, present well rounded presentations.

PROFESSIONAL ORGANIZATIONS

IEEE Edinburg Student Branch 2015-Current
Vice President
Aid the current president and take his position when absent. Working towards more projects for the organization as well as inter-organization projects. Getting more students to volunteer at public events, and to be mentors for middle/high school students at outreach events.

Association for Computing Machinery 2016-Current
Recruiter
Recruit for the organization to bring in more electrical engineering students.

REFERENCES

Andres Medina - UTRGV COECS Faculty
Email: andres.medina@utrgv.edu

Javier Saenz – Systems Engineer – Ion Beam Applications
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