

Kristopher Sean Rosado



SKILLS: Expert at Computer repair. Software and related: <ul style="list-style-type: none">C/C++, C#, Java, Microsoft office, Photoshop CS4, Visual Basic, Symantec Ghost Suite, Electrical Routing, Communications, AutoCAD, CATIA, Solidworks. Manufacturing: <ul style="list-style-type: none">Drill Press, Knee Mill, Lathe, Band Saw, Chemical Vapor Deposition (CVD), Oxygen Propane Welding, Soldering, and various hand tools. Languages and Proficiency: <ul style="list-style-type: none">Fluent EnglishNovice SpanishBeginner Japanese	EDUCATION: Bachelor of Science in Mechanical Engineering Dec. 2015 <i>Florida International University, Miami, FL</i> Major GPA: 2.98 A+ Certification Jun. 2010
LEADERSHIP: <ul style="list-style-type: none">President of Engineering Student Council, 2012.Treasurer of American Society of Mechanical Engineers, 2012.Executive Cabinet member of Student Government Association, 2011.	PROFESSIONAL EXPERIENCE: Quest Lab Mechanical Designer Feb. 2013-Present <i>FIU Advanced Materials Engineering Research Institution, Miami, FL</i> <ul style="list-style-type: none">Researching different methods to transfer and etch a graphene sample grown through an atmospheric CVD on a copper foil to ensure a clean and high quality graphene sample.Utilizing computer skills to back up old equipment, clone a Linux image of CVD machine, using SCSI cables to connect data collecting instruments to a computer and repairing a second CVD machine. Computer Laboratory Technician Jun. 2012-Apr. 2013 <i>FIU College of Business Administration, Miami, FL</i> <ul style="list-style-type: none">Oversee several onsite and offsite computer labs over the same domain while maintaining network stability, troubleshooting, solving errors and deploying software when needed.Setting up a variety of media devices and other equipment for corporate events. Engineering Student Affairs Coordinator Jul. 2011 – May 2012 <i>FIU Student Government Association, Miami, FL</i> <ul style="list-style-type: none">Coordinated with university administration in student affairs, facilities management, renovations, programming and outreach.Managed a budget of \$2,500 for student programming while simultaneously worked with administrators on a multi-year renovation project that was worth approximately \$450,000. Thermal Sciences Lab Undergraduate Researcher Oct. 2011- May 2012 <i>FIU Engineering Center, Thermal Sciences Lab, Miami, FL</i> <ul style="list-style-type: none">Designed, fabricated and tested several heat exchanger components and assembled together two heat exchanger units that used water and refrigerant 134a as the cooling fluid.Extensive use of data acquisition units with thermocouples and thermistors to obtain data readings. Western Hemisphere Information Exchange Research Assistant Jan. 2011- Sept. 2011 <i>Applied Research Center at FIU, Miami, FL</i> <ul style="list-style-type: none">Designed components for use in a military grade 500sq. ft. mobile medical clinic that was to be launched in any climate conditions to offer on-site medical assistance.
PUBLICATIONS, CONFERENCES, AWARDS AND OUTREACH: <ul style="list-style-type: none">Pantera: Lunar Regolith Excavator: NASA Lunabotics Systems Engineering Paper 2012.Great Minds in STEM Conference 2010, 2011, 2012.Florida Georgia Louis Stokes Alliance for Minority Participation Conference 2011.ASPE Student Scholarship, 2012.FIU Technology Scholarship, 2011.FIU Engineering Expo 2011, 2012, 2013.	PROJECTS: NASA Lunabotics Mining Competition Aug. 2011- Jun. 2012 <i>FIU Engineering Center, Robotics and Automation Lab, Miami, FL</i> <ul style="list-style-type: none">Assistant to Senior Design team that researched and developed a fully functional robotic excavator capable of mining lunar regolith and competed in the 2012 International Lunabotics competition.Manufactured deformable tires with off-the-shelf and custom parts for an all-terrain robot. Robot Design Project: Tag-a-long: The Autonomous Bag Feb. 2011- Apr. 2011 <i>FIU Engineering Center, Mechanical Department, Miami, FL</i> <ul style="list-style-type: none">Assisted in designing and prototyping an autonomous robotic platform that would follow the user using color and size recognition. Senior Design Project: Green Air Conditioning System Jan. 2011- Sept. 2011 <i>FIU Engineering Center, Thermal Sciences Lab, Miami, FL</i> <ul style="list-style-type: none">Aided in the developed an environmentally friendly A/C unit that utilized a Mazda 13B rotary engine as an air compressor.