

# Sean Khan

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## EDUCATION:

University of Central Florida  
Bachelor of Science in Mechanical Engineering  
GPA: 4.00/4.00

Expected Graduation: May, 2018

## SKILLS:

- ❖ Autodesk Certified user in AutoCad and Inventor
- ❖ C Programming
- ❖ Certified Level 5 blue belt at Hybrid Martial Arts
- ❖ Working knowledge of Solidworks

## PROJECT EXPERIENCE

- Siemen's Challenge Project* 2014-Present
- ❖ Engineered, as part of a team of four, an alternative energy product designed to generate electrical power from the opening and closing of a door. Helped work on design and fabrication of the product in addition to marketing and advertising.
- Boe-Bot Robot Project* 2014
- ❖ Programmed and Constructed a Boe-Bot Robot to autonomously navigate various tracks, via photoelectric sensors, LEDs, resistors, transistors, capacitors and basic stamp coding.
- Mars Rover Project* 2014
- ❖ Designed and constructed a prototype Mars Rover under strict cost, material, and design specifications. Composed multiple CAD drawings, aided in construction, and worked on supporting documentation such as cost analysis.

## RELEVANT ACCOMPLISHMENTS/AWARDS

- ❖ *National Society of Collegiate Scholars* 2015- Present
- ❖ Top Ten Knight Award 2014
- ❖ National Finalist for the Siemens Challenge 2014
- ❖ Semi-finalist at State competition for the Florida Technology Student Association 2013  
In events including: Flight Endurance; Manufacturing Prototype; and Music production
- ❖ First place ribbon in the Youth Fair for CO2 car design competition 2013
- ❖ First place ribbons in the Youth Fair for Computer Aided Design (CAD) 2011, 2012

## VOLUNTEER EXPERIENCE/CAMPUS INVOLVEMENT

- ❖ *American Society of Mechanical Engineers* 2015-Present  
General member. Modeling a 3D representation of a hover-craft project in Solid Works.
- ❖ *UCF Compass/Excel Program* 2014-Present
- ❖ *Engineers Without Borders Software Team* 2014  
Built and improved on a background in programming languages, web design, and working in HTML and Matlab. In addition to circuit training and working with arduinos.
- ❖ *Intramural Flag Football Team Captain* 2014
- ❖ *Coral Reef Senior High School Robotics Team* 2013-2014  
Worked on the mechanics and software for the robot, which advanced to the state level competition.
- ❖ *Miami Prep Summer Program at FIU* 2013  
Served as Youth Role Model while engaged in various engineering projects including a mock-up roller coaster, bridge designs, mouse trap cars, and put-put boats.