

Jennifer M. Ambrose

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Education

- ♦ University of Central Florida (UCF) / Burnett Honors College – Orlando, FL
- ♦ GPA: 3.3; Bachelors of Science – Mechanical Engineering; Expected Graduation: May 2016

Experience

Limbitless Solutions (*January 2015 – Present*) – Orlando, FL

- ♦ Designed a bionic foot for a 3-year old using 3D printing technology
- ♦ Researched composite materials for use in developing bionic foot

UCF Research and Mentoring Program (RAMP) Scholar (*October 2014 – Present*) – Orlando, FL

- ♦ Undergraduate Research Assistant with Mechanics of Materials Research Group (MOMRG)
- ♦ Determined fracture modes of IN718 and Ti6242 using fractography
- ♦ Conducted tensile-compressive creep-fatigue experiments

Video Equipment Rentals (*Summer 2013, 2014, and 2015*) – Glendale, CA

- ♦ Created 3D models of LED products using SolidWorks
- ♦ Participated in tensile testing of structural components for LED display systems
- ♦ Designed new cinema camera and video display equipment accessories using SolidWorks

Discovery Science Center (*June 2010 – July 2012*) – Santa Ana, CA

- ♦ Team Captain – Supervised up to 100 volunteers, assisted permanent employees, facilitated development of Team Captain position and overall volunteer program

Skills

- ♦ Certified SolidWorks Associate (CSWA); proficient in SketchUp, Microsoft Office (Word, Excel, PowerPoint); some experience with Blender, Mathcad, MATLAB, LabVIEW; basic carpentry skills
- ♦ Fluent in Spanish

Affiliations

- ♦ American Society of Mechanical Engineers (ASME)
 - President – led and managed club officers; responsible for \$10K budget/funding; conducted officer and general body meetings of 100 members; oversaw club activities
 - Student Design Competition
 - Competitor – collaborated with 4 team members to design a remote inspection device

Honors & Distinctions

- ♦ Phi Kappa Phi Honor Society
- ♦ UCF – Dean’s List (College of Engineering & Computer Science)
- ♦ UCF – Pegasus Academic Scholarship Recipient
- ♦ International Baccalaureate (IB) – Diploma Recipient