

Kevin Simpson
Orlando, Florida
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Professional Profile

A highly motivated and goal-oriented aspiring engineer seeking a position that encourages professional development and training. Varied work experience working my way through college in a number of retail and food service positions with a proven record of achievement and success in a school environment and in sports leadership positions.

Core Competencies

**Mechanical Aptitude · Technical Reports · Leadership · Attention to Detail · Determination
Manufacturing · Computer Applications · Material Selection · Collaboration**

Related Skills

- SolidWorks, Pro ENGINEER, Siemens NX 8.0
- MATLAB/Simulink, MathCAD, LabVIEW
- Informed on Drafting Practices and GD&T
- Instructed in Finite Element Method Analysis and Computational Fluid Dynamics Analysis
- Design and Selection of Materials
- Utilizing CES EduPack and Material Indices
- Proficient with Microsoft Office programs
- Familiar with CNC Mill and Lathe Machining
- Background with electro-mechanical assemblies
- Heat Transfer and Thermodynamic Analysis
- Energy Systems Elective Option
- Excellent Technical Report Writing

Experience

Mechanical Engineering Intern January 2013 – August 2013
ZelTech Training Solutions, LLC Winter Park, FL

- Utilized Solidworks to create parts and assemblies in order to fulfill the design requirements laid out by contractual and industry regulations working closely with a mechanical design team and technicians.
- Implemented the Y14.5 standard for geometric dimensioning and tolerancing for initial drawing files of parts and assemblies later incorporating red lines. Also familiar with MIL-STD.
- Interpreted interconnect diagrams/schematics for electro-mechanical components, bringing electrical components such as PCBs, connectors, and harnesses in to Solidworks in order to represent them in the 3D models and bill of materials of assemblies.
- Assisted in the documentation of design development using a product data management system according to contractual requirements.

Senior Mechanical Engineering Design Project Dr. Felix Soto
Solar Powered Remote Controlled Submarine August 2013 – April 2014

- Project Manager Role with responsibilities including orienting, assigning, scheduling, and planning.
- Delivered a Preliminary Design Review, Critical Design Review Presentation, and working prototype.
- Lead the design of the ROV frame and major components using parts and assemblies in SolidWorks.
- Generated interconnect diagram for electrical components.
- Tracked financial objectives by preparing a budget and tracking procurement. Funded by Duke Energy.

Pizza Chef & Delivery Driver October 2010 – November 2012

- In-store customer service, timely deliveries and transaction management.

Nike Factory Store Athlete November 2006 – August 2010

- Constructing sales floors displays for apparel and footwear.
 - Acting as a knowledgeable customer service hub, addressing specific customer needs and maintaining a clean zone.
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Education

University of Central Florida August 2009 – May 2014
B. S. in Mechanical Engineering Orlando Florida

Mandarin Christian High School August 2005 – May 2009
Graduated "Salutatorian" (2nd in class) Jacksonville, Florida