



Cherry Gregory

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Education

- Bachelor of Science, Mechanical Engineering, University of Utah May, 2017
- GPA: 2.536
- Associates of Pre-Engineering, Mechanical Engineering, Salt Lake Community College Dec, 2013

Relevant Coursework

- Composites
- Aero Propulsion
- Advanced Strengths of Materials
- Energy Harvesting for Microsystems

Skills and Qualifications

Computer Programs:

- MATLAB
- SolidWorks
- Pro-E Design
- Simulink
- Arduino
- Microsoft Office

Projects:

- Senior Capstone Project: *Affordable Insulin Pump* Fall 2016 - Spring 2017
- Research and design a compact and reliable insulin pump that can be easily assembled
 - Programed the power management of the system
- Research Fellowship Project: *Smart Shoe* Summer 2016 – Spring 2017
- Smart Shoe is a soft robotic project that uses pneumatic air bladders to simulate unstable walking conditions
 - Assisting PhD student in testing silicone/fabric composites to improve the air bladders
- Mechatronics II Project: *Return to Mars* Spring 2016
- Led Team of 4 as we designed and built a working robot to gather and stack blocks
 - Designed and programmed the remote control to drive the robot

Employment

- Research Assistant – *Dr. Mark Minor's Lab, University of Utah* June 2016 - Current
- Assisting PhD student with Smart Shoe project
 - Writing journal article for publication
 - Tensile testing of fabric/silicone composite on Instron machine
 - Creating silicone molds to create air bladders
- PSE Data Conversion Operator, *United States Postal Service* Apr 2014 – Sept 2016
- Process and key visual images of mail to be sorted at Postal Processing Facilities
 - Processed 9000+ images per day with 99% accuracy
 - Maintained prompt response to changes in mail flow
 - Achieved 98% accuracy on all facility testing
- Assistant Supervisor, *G4S Secure Solutions(Wackenhut Corp)* June 2008 – Nov 2013
- Trained and managed 12 employees over 2 locations
 - Authored over 30 detailed instruction manuals for two different security systems
 - Handled medical emergencies as well as any facility problems