TAYLOR TUEL

| | : 402-916-0238 Jelt@iastate.edu ww | vw.taylortuel.com | | Ginkgo Rd |
|------------|--|---------------------|-----------------------|--------------------|
| Objective | To obtain full time employment in the field of Mechanical Engineering utilizing background in | | | |
| objective | manufacturing and automation. | | | |
| Education | Iowa State University | | | |
| | B.S. Mechanical Engineering | | | Graduated Fall 16 |
| | M.S. Agricultural Engineering | | Expected Fall 18 | |
| Work | Iowa State Univerisity Graduate Research Assistant Jan 17-Dec 18 | | | |
| Experience | Worked with team to develop | p robots and tracto | r implements for | |
| | high throughput field plant phenomics | | | |
| | Using Solidworks to develop Robotic prototypes and end affecters | | | |
| | Conductix Wampfler USA (Omaha, NE) ME Internship | | | May 16-Aug 16 |
| | Used Solidworks to design a semi-automated assembly press for | | | , 0 |
| | production assemblies | | | |
| | Collaborated with team to get press into production | | | |
| | Assisted with testing setups and procedures | | | |
| | <u>Specialized Bicycle Components (Morgan Hill, CA) ME Internship</u> | | Jan 15- July 15 | |
| | Used Creo to design various environmental test fixtures for bicycles | | | |
| | Developed testing procedures for environmental testing | | | |
| | Assisted machinist and carbon fiber technicians making R&D | | | |
| | prototypes | | | |
| | Boyd Lab (Iowa State University) Manufacturing Tech | | Fall 13- Dec 16 | |
| | Oversee the lab to ensure students are working safely | | | |
| | Provide safety training to ~150 students each semester | | | |
| | Carry out work orders using: Solid works, Mastercam Haas CNC Mill, | | | |
| | Manual Lathe, and Mill | , | | |
| Skills | | | | |
| JKIIIJ | Solidworks and PTC Creo Parametric 1.0 Design of Pneumatic systems | | | |
| | CNC Mill Programing using MasterCAM Design of DC powertra | | | ains using gears, |
| | Matlab scripting chains and timing belts | | | |
| Activities | Mentor FIRST Robotics Com | petition | | Spring '16-Present |
| and | Mechanical Mentor for local team (3928 Team Neutrino) Mentor the students using Solidworks and fast prototyping | | | |
| Honors | | | | |
| | Lunabotics Club (Robotic Space Mining) | | | Spring '14-2017 |
| | \circ Design work with Solidworks, Manufactuirng with MasterCAM | | | |
| | Designed Lightweight | | - | |
| | | | it and to reduce wear | |
| | Rigorous FEA modeling | | | |
| I | o <u>www.taylortuel.com</u> , | <u>projects</u> | | |