Andrew Woerpel

1100 Southwest Rd. 920-988-5872

Rm 315B Southwest Hall woerpela@uwplatt.edu

Platteville, WI 53818

PROFILE / OBJECTIVE

Highly motivated and hardworking senior Electrical Engineering student seeking an internship opportunity from Blue Origin during the summer 2015 period. Strong desire to work in the commercial space industry.

EDUCATION

**University of Wisconsin - Platteville**, Platteville, WI Anticipated Graduation: May 2017

­College of Engineering, Mathematics, and Science

­Major: Electrical Engineering, Emphasizing in Control Systems and Digital Electronics - GPA: 3.88/4.00

Minor: Mathematics

RELEVANT COURSEWORK

|  |  |  |
| --- | --- | --- |
| Automatic Controls | ­Signals and Systems | ­­­Analog Electronics |
| Programming in C ++ | Logic and Digital Design | ­­Circuit Modeling I & II |

­

INTERNSHIP EXPERIENCE

**Orbital Technologies Corporation (ORBITEC)** Madison, WI Fall 2015 – Winter 2016 (Ongoing)

*Electrical Engineering Co-op*

* Provide Electrical Engineering support to development next generation micro-gravity greenhouses that will fly aboard the International Space Station.

**Plexus Corporation** Neenah, WI Summer 2015

*Software/Product Engineering Intern*

* Worked as a part of a team to develop and maintained a large C++ code base and corresponding test procedures for continuous integration platforms on a large medical project.
* Developed a pneumatically actuated misuse test fixture for engineering confidence testing.

**Seljan Company** Lake Mills, WI Summer 2013 - Winter 2015

*Mechanical Design Intern*

* Established a batch powder coating system from the ground up. The total project cost was approximately $50,000.
* Suggested, designed, and constructed conveyor systems for metal stamping slug removal. System cost was approximately $2500 while equivalent commercially available systems cost in excess of $10,000.

TECHNICAL / ENGINEERING SKILLS

* Laboratory experience with thin film deposition through thermal evaporation, reactive ion etching, scanning electron microscopy, and profilometers from undergraduate research in Microsystems & Nanotechnology
* Self-taught computer programming skills in Python, C++, and Matlab
* Proficient in SOLIDWORKS 3D modeling software
* Experience designing and building basic data acquisition circuitry and software
* Excellent with fabrication tools and machinery
* Experience with rapid prototyping using 3D printers

MEMBERSHIPS / AFFILIATIONS

|  |  |
| --- | --- |
| * Eagle Scout, Boy Scouts of America | 2001 - 2012 |
| * Pole Vaulter, UW – Platteville Track and Field | Fall 2012 – Winter 2013 |
| * Local Chapter Member, Institute of Electrical and Electronics Engineers | 2013 – Present |
| * Member, Tau Beta Pi – Engineering Honor Society | Fall 2014 – Present |
| * Team Capitan, Society of Automotive Engineers - Aero Design Team | Fall 2014 – Present |
| * Peer-Assisted Leader (Tutoring program for entrie class | Spring 2014 |
|  |  |