Seth A. Cawoski

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EDUCATION

- Columbia University, The Fu Foundation School of Engineering - New York, NY
Dual Bachelor of Science & Bachelor of Arts Degree Program
Bachelor of Science, Mechanical Engineering *Expected Graduation: Spring 2015*
Combined Plan GPA: 3.67/4.0 - *Relevant Coursework:* Mechanics, Fluid Mechanics, Mechanics of Solids, Mechanical Laboratory, Thermodynamics, Heat Transfer, Computer Design, Machine Design, Control Systems, & Turbomachinery
- Bethany College - Bethany, WV
Bachelor of Science - Physical Science, Mathematics Minor *Expected Graduation: Spring 2015*
GPA: 3.926/4.0 - *Relevant Coursework:* Advanced Physics Lab, Physics II, Calculus III/IV, Digital Electronics, Mathematical Methods for the Physical Sciences, Differential Equations, Linear Algebra, Macroeconomics, Data Analysis & Statistics for Physical Sciences

SKILLS

- **Design:** AutoCAD, Creo Parametric, Unigraphics NX 6/9, ZPrint/ZEdit (3D Printer Software)
- **Computer:** MatLab, Mathematica, R-Programming, Microsoft Office: Word, Excel, PowerPoint

ENGINEERING & RESEARCH EXPERIENCE

- Laboratory Intern - Metal Cutting & Prototyping - Kennametal Inc., Greensburg, PA Summer 2014
- Operated: ZPrinter 250 (3D Printer), HAAS Mill, Turning Mills (Okuma & Mori Seiki NT)
- Projects: Repair/Optimize ZPrinter, create an improved recycling system for a carbide robot, installation of a dynamometer system in turning/milling practices.
- Training: Lean Production, Total Productive Maintenance (TPM) Event, UG NX 9 and CAM training, FEA ANSYS training

- Production/Machine Worker - Orrco, Greensburg, PA. Summers & Winters 2012 - 2014
- Operated: CNC's, Lathes, Acme-Gridley Machines, and Indexes (Computer-Programmed Machines).
- Produced: Valve parts, diesel pump parts, screw-products, and carbide wear parts
- Quality Control: Used computer programs to check parts and AutoCAD to produce blue prints

- GANs Fund Research Grant Recipient Spring 2013
- Awarded a research grant to construct and research wind turbines for Bethany College.
- Project: To create a wind turbine and monitor its progress over the course of an experimental time frame

ACADEMIC ACHIEVEMENTS

- Bethany College Dean's List Award Two Time Recipient
- Awarded to students with a semester GPA of 3.50 or higher

- Bethany College President's List Award Four Time Recipient
- Awarded to students with a semester GPA of 4.0

- Academic All-American Nominee
- Nominated three consecutive years at Bethany College

- Bethany Kalon Honors Society
- Accepted into the junior and senior society of high character, unselfish leadership, and constructive citizens in the College community

- Gamma Sigma Kappa
- Accepted into the scholastic society of students who have achieved high cumulative scholarship index over a minimum of four consecutive semesters

- John K. Mladinov Scholarship
- Scholarship reflecting academic achievements and clear potential for future success from the Fu Foundation School of Engineering and Applied Science at Columbia University

COMMUNITY SERVICE & EXTRACURRICULAR ACTIVITIES

- Volunteer – Family Services of Western PA Summers 2003 – 2014
- Worked at the ParentWISE Ice Cream Blast, Family Theatre Event, Story Walk, & Family Safety Days

- Bethany College Varsity Football - Defensive Tackle Fall 2010 – Fall 2012
- Played on the varsity football team for three years
- Three time Academic All-American Nominee