

KEVIN B. DIETSCHKE

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PROFESSIONAL PROFILE

- Successful facilitator of Adult education, post-secondary education, and K-12 education
- Experience in college leadership, management, and coordination within the operations of the learning process
- Excellent written and oral communication skills
- Ability to establish goals and attain results
- Several years of industry experience in material forming, fabrication, and repair techniques
- Experience building relationships with business and industry

ACADEMIC PREPARATION

- Doctor of Education, Career and Technical Education, University of Wisconsin-Stout, January, 2019. Dissertation: *Employing the Design Build Process within a PK12 Fabrication Laboratory*
- Master of Science Degree, Career and Technical Education, University of Wisconsin-Stout, December, 2014. Thesis: *Identifying Training Needs of Wood Manufacturers in Wisconsin*
- Bachelor of Science Degree, Technology Education, University of Wisconsin-Stout, May, 2011.

ACADEMIC HONORS AND AWARDS

- Recipient, Ridgeland Coop Scholarship, 2006
- Recipient, Chancellor's Award, University of Wisconsin-Stout, 2010-2011
- Recipient, Chancellor's Award, University of Wisconsin-Stout, 2011-2012
- Recipient, Gus Wall Endowed Scholarship, University of Wisconsin-Stout, 2013-2014.

ACADEMIC TEACHING EXPERIENCE

Senior Lecturer, University of Wisconsin-Stout, Menomonie, Wisconsin, 2019-present

- Develop and teach curriculum for a variety of undergraduate courses in the Engineering and Technology Department
- Teach in a lecture as well as a laboratory environment
- Setup, operate, and maintain laboratories and equipment
- Develop and maintain contacts with industry professionals
- Experience and familiarization with Accreditation Board for Engineering and Technology (ABET) process
- Collaborate with and support diverse populations of students and staff through various means
- Serve on the Engineering Technology advisory board
- Serve on the Career and Technical Education advisory board
- Serve as the UW-Stout Skills USA chapter student advisor

Associate Lecturer, University of Wisconsin-Stout, Menomonie, Wisconsin, 2016-2018

- Develop and teach curriculum for a variety of undergraduate courses in the Engineering and Technology Department
- Teach in a lecture as well as a laboratory environment

- Setup, operate, and maintain laboratories and equipment
- Develop and maintain contacts with industry professionals
- Experience and familiarization with Accreditation Board for Engineering and Technology (ABET) process
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Graduate Assistant, University of Wisconsin-Stout, Menomonie, Wisconsin, 2013-2015

- Assisted in research activities
- Taught in a lecture/lab environment
- Developed curriculum
- Aided in classroom preparation, demonstrations, and instruction
- Completed an educational needs assessment on the Wisconsin woods manufacturing industry for the Engineering Technology program
- Served on the College of Education Health and Human Services Deans advisory board.

Adjunct Instructor, Fabrication Laboratory, University of Wisconsin-Stout, Menomonie, Wisconsin, 2013-2015

- Developed and taught Introduction to Design for Digital Fabrication

Faculty, Unified School District of Antigo, Antigo, Wisconsin, 2011-2013

- Fostered relationships with business and community
- Led technological professional development seminars for faculty and staff
- Developed a strong interdisciplinary atmosphere between educators and content areas
- Connected students with business and industry through coops and internships
- Generated a 70% growth in student enrollment within the drafting department within one year
- Designed and delivered lessons to actively engage students utilizing sound instructional methodology
- Prompted a student motivated atmosphere focused around character, self-direction, and work ethic

Student Teacher, New Auburn High School, New Auburn, Wisconsin, 2011.

- Led a senior engineering class to a national championship in an applied engineering competition
- Maintained a classroom with respect and rapport while working with a diverse population of students
- Performed routine maintenance on tools and equipment

Lab Assistant, Center of Innovation and Development, University of Wisconsin-Stout, Menomonie, Wisconsin, 2006-2011

- Lead lab assistant, scheduled lab hours, supervised lab hours during student use
- Oversaw/maintained lab equipment
- Demonstrated proper machine use, operation, and safety procedures to faculty, staff, and students
- Research, development, and fabrication of products

COURSES TAUGHT & DEVELOPED

- 2015-2018** **Associate Lecturer**, University of Wisconsin-Stout, Taught the following courses:
- ETECH 371 Mechatronics
 - ETECH-260 Introduction to Fluid Power
 - ETECH 253 Joining and Casting Processes
 - ETECH 202 Welding and Casting Processes
 - RD-205 Design for Industry
 - MFGT-150 Introduction to Engineering Materials
 - ETECH-100 Impacts of Engineering
- 2013-2015** **Fabrication Laboratory**, University of Wisconsin-Stout, Developed and taught the following course:
- Introduction to Design for Digital Fabrication
- 2013-2015** **Graduate Assistant**, University of Wisconsin-Stout, aided in developing and teaching the following courses:
- MECH 396- Mechatronics
 - POWER 303-Mechanical Power Transmission
 - MFGT-204 Woods and Polymer Processes
- 2011-2013** **Faculty Member**, Unified School District of Antigo, Developed and taught the following courses:
- Principles of Engineering
 - Mechanical Computer Aided Drafting
 - Architectural Drafting
 - Small Engines
 - Automotive Repair/Maintenance
 - Carpentry
 - Graphic Arts
 - Metal forming Processes
 - Wood forming Processes

HIGHLIGHTS OF PROFESSIONAL EXPERIENCE

- 2015-Present** **University of Wisconsin-Stout**, Associate Lecturer within the Engineering & Technology Department
- Teach a wide range of welding processes in a lecture/lab environment including
 - Oxygen Acetylene Welding
 - Oxygen Propylene Welding
 - Brazing
 - Soldering
 - Shielded Metal Arc Welding
 - Gas Metal Arc Welding

- Tungsten Inert Gas Welding
- Teach a wide range of foundry related processes in a lecture/lab environment including
 - Vacuum Mold Casting Process
 - Investment Mold Casting Process
 - Lost Foam (EPS) Casting Process
 - Permanent-Multiple Use Mold Process
 - Die Cast-Multiple Use Casting Process
 - Centrifugal Multiple Use Casting Process
- Instruct in areas that involve lecture/lab education including
 - Hydraulics
 - Pneumatics
 - Power Transmission
 - Design for Industry
 - Mechatronics
 - Engineering Materials
- Perform equipment maintenance on an as needed basis
 - Repaired Graphic Arts printing press rinse head apparatus utilizing Oxy/Acetylene Brazing technique
 - Maintain Miller Shop Master, Miller 350P, Plasma Arc, Oxy/fuel, and TIG welding equipment
 - Maintain best safety practices while instructing on and operating high frequency induction furnace
- Provide leadership and guidance on student projects
 - Aided student in design, layout, and weld sequencing of robotic cage
 - Advised student group in design, welding, and safety considerations in building Computer Numerical Control Plasma Arc table
 - Aided in material selection, design, weldment layout, process selection in 3-Point Carry All Hitch (agricultural application) student project
- Connect Students with Industry
 - Organize Badger Iron Works Foundry Tour with Foundry Students

2014-2016 University of Wisconsin-Stout, Instructor, Science, Technology & Engineering Preview Summer Camp (STEPS).

- Developed and delivered engaging curriculum to 7th grade girls regarding manufacturing practices
- Utilized best practices in assembling robots

2011-2013 Unified School District of Antigo, Engineering and Technology Education Instructor.

- Led senior engineering design students through research, design, and proto-typing of the “Stella Blue” tip down for client seeking U.S. patent.

2006-2011 University of Wisconsin-Stout, Center of Innovation and Development (CID). Lab assistant, product developer.

- Researched, Developed, and proto-typed multi-remote control system
- Proto-typed water generator system for client seeking U.S. patent
- Researched, Developed, and proto-typed fishing lure for client seeking U.S. patent
- Understudy for master ukulele builder, built jigs, fixtures, and learned the art of building ukuleles

2010-2011 Bubbling Springs Solar, Menomonie Wisconsin, Assembly Technician.

- Utilized Tungsten Inert Gas Welding process in welding aluminum frame sub-assemblies for solar panel applications

2009-2010 Greening Construction, New Richmond, Wisconsin, Foreman.

- Designed and installed kitchen layouts
- Oversaw best construction practices within several remodeling jobs

2006-2007 Ridgeland Chetek Coop, Sand Creek, Wisconsin, General Welder, Repair Technician.

- Oversaw the Sand Creek Branch daily operations
- Utilized Shielded Metal Arc Welding in general repair of agricultural equipment
- Maintained agricultural feed processing equipment

2005-2006 Mike's Automotive and Repair, Colfax, Wisconsin, General Welder, Repair Technician, and Mechanic.

- Utilize Shielded Metal Arc Welding in repairing thin gauge automotive exhaust systems
- Utilized Gas Metal Arc Welding in fabricating exhaust systems
- Utilized Tungsten Inert Gas Welding in the fabrication of stainless steel exhaust headers

2000-present Renaissance Acres, Colfax, Wisconsin, employed as General Mechanic, Repair Technician, and Machine Operator.

- Development of ag-related custom conveyor system
 - Development of weldments, procedure, process, jigs and fixtures
 - Utilized Gas Metal Arc Welding in producing a finished product while controlling distortion
- Utilized oxygen/acetylene fusion welding in the repair of agricultural equipment
- Utilized brazing techniques in the repair of agricultural equipment
- Troubleshoot and repair hydraulic systems in agricultural equipment
- Utilized Nickel based rod in Shielded Metal Arc welding while repairing cast iron parts on agricultural equipment
- Experience welding aluminum with a Gas Metal Arc Welding-Pulse with a push pull gun

PRESENTATIONS/TRAININGS

Identifying Training Needs of Wood Manufacturers in Wisconsin, Dietsche, K., Wisconsin Association of Career and Technical Education, Waukesha, WI, April 16, 2015.

PAST AND PRESENT PROFESSIONAL AFFILIATIONS

- Skills USA
- Wisconsin Association of Career and Technical Education Association
- Wisconsin Technology and Engineering Education Association
- Technology Engineering and Education Collegiate Association

PROFESSIONAL DEVELOPMENT

- Wisconsin Association of Career and Technical Education Annual Conference, 2015
- Wisconsin Technology Education Association Annual Conference, 2013
- Wisconsin Technology Education Association Annual Conference, 2012
- Wisconsin Technology Education Association Conference, 2011

PROFESSIONAL SERVICE

- Skills USA Welding Competition, Facilitator, University of Wisconsin-Stout, 2013-present
- Skills USA Advisor-University of Wisconsin-Stout chapter, 2013-present

- Super Mileage Vehicle, Judge, University of Wisconsin-Stout competition, 2017
- College of Education Health and Human Services Deans Advisory Board, 2013-2015
- Rube Goldberg Judge, University of Wisconsin-Stout competition, 2013
- Skills USA Advisor-Antigo High School, 2012
- Electrathon Car, Advisor, Antigo, Wisconsin, 2012
- Rube Goldberg Advisor-New Auburn High School, Spring, 2011
- Skills USA Advisor-New Auburn High School, 2010
- Future Lego League Judge, UW-Stout competition, 2008