

**The University of Iowa College of Engineering
Student Development Center/Engineering Professional Development
Cooperative Education and Internship Program**

**Civil and Environmental Engineering Co-op/Internship Employers
Employers and Positions, 2005-09**

ADM Engineering assistant in corn processing plant...working with a team of fellow engineers on a several hundred million dollar Feed House expansion project...contractor safety revision, safety auditing, printing and calculating project material take-offs, CAD drawing reviewing, updating, and organizing, construction inspection, construction coordination and review, and also basic industrial process engineering in the existing and operating portion of the plant	Clinton, Iowa
Advanced Heat Treat Metallurgical heat treating facility intern...project management, quality assurance, and documentation	Waterloo, Iowa
Advanced Specialties Consulting engineering	Iowa City, Iowa
Alliant Energy Analyze lifting points on power plants and calculate maximum lifting load, design a method to improve the lifting points	Cedar Rapids, Iowa
Ashton Engineering Engineering Intern/structural and civil engineering assignments on bridges/fabrication/roads	Davenport, Iowa
Babcock and Wilcox Field Service Engineer in Power Generation Group...hands on job that allows the reality of engineering to jump off the paper and into real life situations...manufacturing and maintenance of Boilers at Power Plants...lot of traveling...working on a mercury emissions research and development project	Owensboro, Kentucky
Bechtel Overall systems design and engineering for hydraulic and hydrologic projects	Frederick, Minnesota
BFA Environmental Consultants Engineering consulting firm focusing on environmental impact and amelioration of negative effects of various public and private development projects	Orlando, Florida
Bolten and Menk Engineers Consulting engineer, development projects for private and governmental clients	Chaska, Minnesota
Burns and McDonnell Project Controls group intern for Construction-Design Build (CDB) global practice	Kansas City, Kansas
CH2M Hill Assist in preparation of environmental impact assessment for Mexican regulatory agency/document coordination/environmental permitting of Liquefied Natural Gas Terminal in northeastern Mexico/translation	Englewood, Colorado
Cargill Research separating coal combustion flyash from the bottom ash and finding beneficial uses for both materials, process leader for ash separation and testing of ash for content	Eddyville, Iowa

Ceco Building Systems Designing...steel buildings...Minnesota and Wisconsin to Ohio and Pennsylvania	Mt. Pleasant, Iowa
City of Iowa City Engineering Surveying and inspection/plan review/highway and subdivision projects	Iowa City, Iowa
City of Marion Engineering Department Sidewalk inspections, materials testing, construction inspection, surveying and traffic studies	Marion, Iowa
City of Naperville Civil Engineering Intern/field surveys and inspections/development of maps and drawings utilizing AutoCAD and/or ArcView GIS	Naperville, Illinois
City of Rock Island Engineering Intern...flood control, levee inspection...worked on several different road patching and resurfacing projects and have also been an integral player in the...2008 road inventory	Rock Island, Illinois
City of Sioux City Surveying, storm sewer mapping, various CAD drawing and city engineering projects	Sioux City, Iowa
City of Urbandale Sidewalk and subdivision inspections, utility locates, sign and streetlight inventory program, sanitary sewer capacity analysis, and traffic studies	Urbandale, Iowa
Clapsaddle-Garber Associates Consulting Engineering Intern	Marshalltown, Iowa
Coralville City Engineer Public works projects and subdivision inspections/surveying, material collection, AutoCAD drafting	Coralville, Iowa
Craig R. Knoche and Associates Preliminary engineering and CAD drafting of civil engineering documents/writing and assembly of site evaluation reports/surveying	Geneva, Illinois
Des Moines Water Works Engineering inspection, surveying, and other projects as assigned	Des Moines, Iowa
DeWild, Grant, Rickert and Associates Engineering Consulting engineering on various projects	Sioux City, Iowa
Dubuque County Highway Department Surveying, assisting County Engineer, Inspection and Testing	Dubuque, Iowa
Eagle Point Software Customer Support and technical intern	Peosta, Iowa
Exelon Nuclear Intern for the Design Engineering Department at the Quad Cities Nuclear Plant, and work with mechanical, electrical, structural engineers	Cordova, Illinois
Exhibit Group Intern...draw up layouts for booths that companies order for tradeshow	Roselle, Illinois

F.H. Paschen Logging RFIs, transmittals, submittal processing, reviewing subcontractor insurance certifications and setting-up project field offices	Chicago, Iowa
Florida Power, Light, & Energy – Duane Arnold Nuclear Plant License renewal process intern...collect, analyze, and organize documentation for licensing of nuclear station	Palo, Iowa
Foth Infrastructure and Environment, LLC Engineering intern...responsibilities included construction inspector at the Cedar Rapids Eastern Iowa Airport...structural and civil work involved with the airport's new public safety facility...writing up quantity sheets...making sure the contractors are performing their duties to the specifications...also responsible for scheduling soil density test on each lift of the civil soil work...perform concrete test, both slump and air tests	Cedar Rapids, Iowa
Fox Engineering Site inspection...reading, checking and application of plans on a current jobsite...working closely with engineers, contractor and foremen...redesign an activated sludge and methane transporting pipes on the top of the digester component of a wastewater treatment plant	Ames, Iowa
Geotechnical Services, Inc. Soil testing, concrete testing, and some environmental testing	Urbandale, Iowa
Habitat for Humanity Construction design intern...project management...volunteer recruitment	Iowa City, Iowa
Hall and Hall Engineers Project engineering consulting firm...storm sewer, water main, and pavement reconstruction projects	Hiawatha, Iowa
Hard Hat Services Engineering intern...to help manage a closed landfill site...included taking readings of the leachate levels and overseeing leachate pump installations...well compliance with the EPA mandated levels...	Naperville, Illinois
Howard R. Green Company Construction inspection for highway project/property surveys and inventories	Cedar Rapids, Iowa
HBK Engineering Surveying and drafting; certifications and drilling projects	Chicago, Illinois
HDR Engineers Consulting engineering intern...company focus is on petroleum energy companies designing docks for things like oil and LNG tankers...ocean engineering problems such as the erosion of the beaches	Corpus Christi, Texas
HNTB Corp. Field work on water resources/drainage of highway pavement spreadsheet analysis, inlet design, pipe design, and culvert design	Kansas City, Missouri
HSR Associates, Inc. Structural engineering and architectural shop drawings, specs, correspondence, and organization	Madison, Wisconsin
Hall and Hall Engineering Project drafting and design, management on municipal projects and private projects as necessary	Hiawatha, Iowa

Illinois DOT: Peoria Construction inspection and testing	Peoria, Illinois
Illinois DOT: Schaumburg Construction inspection and documentation of reconstruction project on state highway, project includes paving, retaining wall and bridge construction, storm sewer and traffic signal installation	Schaumburg, Illinois
Iowa County Engineer Project inspection/culvert design/construction surveying/bridge inventory	Marengo, Iowa
Iowa Dept. of Natural Resources P2 Program at GKN Armstrong Wheel Research and implementation of program to reduce use and disposal of oil in the manufacturing process	Armstrong, Iowa
Iowa Department of Natural Resources P2 Program at Goodyear Formulate a plan to reduce company's landfill waste to zero by the end of 2007	Mt. Pleasant, Iowa
Iowa Department of Natural Resources P2 Program at John Deere Engine Works Analysis and implementation of an industrial plastics recycling program	Waterloo, Iowa
Iowa Department of Natural Resources P2 Program at VA Med. Ctr. Study and implementation of programs to manage use and disposal of refrigerant	Iowa City, Iowa
Iowa Department of Natural Resources P2 Program at Wells Dairy Evaluate water and waste reduction opportunities	LeMars, Iowa
Iowa Department of Transportation Conduct traffic analysis/perform safety analysis on roadways and construction zones/records and documentation	Ames, Iowa
Iowa Department of Transportation Preparation of estimates, quantities, etc. for upcoming highway projects	Cedar Rapids, Iowa
Iowa Department of Transportation Project engineering intern...construction inspection of transportation projects	Council Bluffs, Iowa
Iowa Department of Transportation Preparation of estimates, quantities, etc. for upcoming highway projects	Davenport, Iowa
Iowa Department of Transportation Project Engineering Intern...highway design and construction	Mt. Pleasant, Iowa
Kalespell Regional Medical Center Administrative Intern in the Design and Construction department of Kalispell Regional Medical Center...part of hospital design team...working in AutoCAD on floor plans and elevations...	Kalespell, Montana
Kiewit Western Co. Field engineering on lakefront highway project/materials and tools costing and purchasing/coordinated concrete pours: calculating quantity, ordering, placement	Elgin, Illinois
LAN Engineering Consulting engineering projects	Irvine, California

LMS CADSI	Coralville, Iowa
Preparation of validation documents for DADS 9-6.02 requested by clients/conceiving and implementing models using software and theoretically validating results/develop model for V-belt to simulate the effect of friction forces in a belt	
Lockwood, Andrews and Newman	Oak Brook Terrace, Illinois
Use of AutoCAD to update/create site and project plans...field inspections of construction projects	
McDonough and Associates	Woodridge, Illinois
Transportation construction project inspection...site evaluations and interaction with contractors	
MMS Consultants	Iowa City, Iowa
Survey technician, construction boundaries, thimble GPS, robotics	
Manhard Consulting	Lombard, Illinois
Consulting engineering internship	
Mannik and Smith Group, Inc.	Maumee, Ohio
AutoCad, construction/site project work/inspection, surveying, and reporting/documentation	
Merrick and Company	Aurora, Colorado
Creating construction drawings for a new building that was to be placed in an area that had already been developed...reading the CAD standards manual and making sure they were followed in the drawings before presenting them to the client	
Matkin Engineering	Fairfield, Iowa
Structural engineering contracting; drafting and project planning	
McClure Engineering	Coralville, Iowa
Surveying, GPS, running level lines, creating and modifying drawings using AutoCAD, Figuring slopes, grads and property lines	
Mid-American Energy	Sioux City, Iowa
Gas Engineering department, working with the integrity management of the gas transmission lines, new regulations for transportation of gas, and cathodic protection of the pipe	
Missouri DOT	Kansas City, Missouri
Contract administration, inspection of highway contracts, material testing and sampling	
Moffat and Nichol	Long Beach, California
Transportation intern...autocad...grade separations...	
NNW Inc.	Iowa City, Iowa
Software development, CAD design and field data collection	
NextERA Energy (FPL)	Palo, Iowa
Intern on team of engineers at nuclear plant overseeing ultrasonic tests by contractor on the pipes which could, to a point, tell the corrosion level of each pipe, after some analysis	
Opus Architects	Minnetonka, Minnesota
Associate structural engineer, structural analysis and design, review design drawings, specifications, subcontractors' calculations, job site observation	

PCL Civil Constructors, Inc Field engineer on pier remediation, concrete and grout testing on micro-piling and sister shafts Quantity take-offs and monitor subcontractors	Tampa, Florida
PCL Construction Services, Inc Field engineer intern for the superstructure on the C755 Link Light Rail Project	Tukwila, Washington
Packer Engineering Site visits/case research/consulting engineering projects	Naperville, Illinois
Polk County Department of Public Works Construction surveys/preliminary project surveys/paving inspection/traffic safety data collection	Des Moines, Iowa
Precision Systems Inc. Consulting engineering intern	Washington, D.C.
RBF Consulting Assist with design and plan preparation for school, irrigation and drainage improvements	Irvine California
Racine Paving Estimating jobs, field inspections, and surveying	Richmond, Iowa
Reukert and Milke Construction review technician, surveying	Sussex, Wisconsin
Ruettiger Tenelt & Associates Consulting engineering intern, overlook site plans, take-off development plans, creating demolition plans on AutoCAD	Joliet, Illinois
Rockford Department of Public Works Gather field survey data/inspection of construction work in progress/documents quantities and procedures and prepares pay estimates	Rockford, Illinois
Sheaffer and Roland Assist engineers with wastewater, stormwater, and water supply facilities design, and field services	Geneva, Illinois
Shive-Hattery Inc. Concrete and soil testing and analysis/reporting and documentation/surveying	Iowa City, Iowa
Snyder and Associates Main project focused on construction inspection/observation on one large street rehabilitation project...other duties as assigned...	Cedar Rapids, Iowa
Stanley Environmental Assist on environmental engineering consulting projects	Coralville, Iowa
Strand Associates Inspection of municipal development projects	Madison, Wisconsin
Superior Environmental Corporation Research; real estate transfer assessments; investigation sampling	Bay City, Michigan

Terracon Testing and analysis/inspection/construction projects	Cedar Rapids, Iowa
Third Wave Systems Engineering intern	Minneapolis, Minnesota
UI CoE Research/lab intern	Iowa City, Iowa
UI CoE Civil/Environmental Engineering Dept. Engineering research and analysis	Iowa City, Iowa
UI CoE CCAD Research Intern	Iowa City, Iowa
UI CoE IIHR Assist with research and project development... flood mitigation... ship design	Iowa City, Iowa
UI Design/Construction Services Civil Engineering duties as assigned, primarily at Blank Honors Center	Iowa City, Iowa
UI College of Engineering Orientation Services Orientation Advisor for 1 st Year Engineering Students	Iowa City, Iowa
UI ITS Client support and technical installation	Iowa City, Iowa
UI Power Plant Plant engineering and inspection	Iowa City, Iowa
UI Water Treatment Plant Engineering Intern/construction and maintenance projects	Iowa City, Iowa
UPS Maintenance management and dispatching, computer maintenance management system	Palatine, Illinois
UOP Research and development... chemical processes... plant processes and operations	McCook, Illinois
US Army Corps of Engineers, Rock Island District Engineering intern for Rock Island District on Mississippi River, various projects	Rock Island, Illinois
U.S. HHS Indian Health Service Sanitation engineer on reservation	South Dakota
USDA Natural Resources Conservation Service Assist engineer with surveying, design and supervision of runoff control structures	Red Oak, Iowa
V3 Companies Engineering intern... inspection of construction procedures, taking field measurements and documenting activities on the job site...	Woodridge, Illinois

Veenstra & Kimm Project inspector on paving project/surveying and contractor compliance	West Des Moines, Iowa
Village of Arlington Heights City Engineering intern...surveying...traffic studies...construction inspection...	Arlington Heights, Illinois
Village of Carpentersville City engineering...inspection and supervision of municipal construction projects	Carpentersville, Illinois
Village of Fox Point City engineering internship, inspection and testing	Fox Point, Wisconsin
Village of Glen Ellyn Assist staff engineers with design plan development, construction oversight and field duties/surveying/pavement and sidewalk inspection	Glen Ellyn, Illinois
Village of Lombard Inspections, municipal engineering, pavement projects	Lombard, Illinois
Village of Palatine City engineering intern...inspections, assist engineers with design and inspection	Palatine, Illinois
Village of Wheeling Assist village engineers with drafting and printing projects/inspections for sidewalks, driveways, parking lots and sewer systems	Wheeling, Illinois
Village of Whitefish Bay City engineer assistant, surveying, testing and inspection	Whitefish Bay, Wisconsin
Warner Engineering Surveying using both the GPS and Total Station surveying tools...observed the construction processes for roadways, highways, sidewalks, sewers...inspection process	Mt. Pleasant, Iowa
Washington County Engineer Surveying; drawing; bridge and road inspection	Washington, Iowa
Zimmer Consultants Engineering intern for parking lot design firm projects included research, design/ CAD work, and project management...	Oak Brook, Illinois