

Tom Burg

Mankato, MN

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I am seeking an opportunity to build upon the skills that I have gained through my education and work history to serve our community and environment.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Retail Food Inspector

Minnesota Department of Agriculture - Mankato, MN - 2017-01 - 2017-10

Inspecting retail food firms using a risk based approach in order to gain compliance with MN Food Code; licensing food retail establishments; conducting inspections for compliance with plan review.

Training: FDA Food Safety; FDA food defense; FDA labeling; MN Food Code; food microbiology; HACCP.

Data Infrastructure Technician

CenterPoint Energy - Minneapolis, MN - 2013-10 - 2017-01

Responsibilities

I started as a Business Process Representative with the Order Origination group designing utility services with ArcView GIS and SAP. As a Business Process Representative with the Order Completion group, I reconciled utility records with GIS database. Currently as a Digital Infrastructure Technician, my role is to ensure accurate and complete utility records in GIS database using ArcView, SAP and FileNet.

Water Quality Seasonal

Three Rivers Park District, Water Resources - Plymouth, MN - 2012-04 - 2012-10

Provided a wide array of reliable & accurate surface water monitoring data

- Lent assistance with data analysis for several projects
- Reliable & accurate laboratory analysis

Experience: lake data and sample collection; stream data, automated composite and grab sample collection; E.coli nutrient, , chlorophyll-A, suspended solids and chloride lab analysis; data entry and analysis; GIS data analysis for model development; lake vegetation and curly leaf turions surveying; stream surveying; discharge rating curves; automated sampler maintenance and minor programming; and remote sonde calibration & data collection.

Research Assistant

Stone Environmental, Inc - Saint Clair, MN - 2010-04 - 2012-04

Provided timely & reliable runoff samples and field data

- Effective coordination of study activities with multiple research partners

Experience: installing and maintaining automated sampling and rain gauge equipment; verifying and documenting treatments, events and any relevant data; trouble-shooting automated sampling, flow meter, rain gauge and remote interface equipment; collecting samples and decanting and delivering samples for acetochlor, nutrient and sediment analysis and QA/QC; additional site characterization- soil sample collection & soil conductivity data collection.

Biology lab Teaching Assistant

Minnesota State University - Mankato, MN - 2007-09 - 2010-03

Effective speaking presentations

- Valuable mentoring opportunity

Experience: 7 semesters teaching General Biology 105 & 106, introducing material and guiding undergraduates through labs that covered: basic molecular and cell biology; DNA amplification, extraction and electro gel florescence; population genetics and estimation; plant and animal diversity; introductory statistics; and scientific writing. Other duties include: grading; proctoring exams; practical exam development; and lab setup.

EDUCATION

Masters of Science in Environmental Science

Minnesota State University, Mankato - Mankato, MN

2007 - 2014

Bachelor of Arts in Philosophy

Southwest Minnesota State University - Marshall, MN

2001

SKILLS

Fluent Spanish

GROUPS

Master Water Stewards

2016-01 - Present

The program certifies and supports community leaders to improve water quality through the use of BMPs and community outreach projects

ADDITIONAL INFORMATION

- Thesis: researching the use of the Species at Risk (SPEAR) index to assess the impact of pollution on macroinvertebrate populations of five streams in southern Minnesota.
- MNSU, Mankato Field Ecology Club graduate mentor
- Minnesota Watershed Alliance attendee
- MNSU Water Resources Center macroinvertebrate identification
- Proficient Spanish