

Strengthening Minnesota businesses by maximizing efficiency and lowering costs through energy, water and waste reduction

INTERNSHIP: Lead a project focused on developing a database and related search protocols to implement a searchable, web-based water conservation/efficiency tool (Summer 2021).

COMPANY/ORGANIZATION: Minnesota Technical Assistance Program

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior level college student to lead a project focused on developing a prototype searchable, web-based industrial water conservation/efficiency tool. The project will involve interfacing the client relation management (CRM) database with a web-based search repository for seamless transfer of data to the public-facing searchable tool. Once the prototype is functioning, the design and testing of the web-based tool will be implemented. The intern will report to MnTAP project staff and partners at the Metropolitan Council Environmental Services Water Supply Planning Division.

JOB DUTIES:

As part of this project, you will be asked to complete the following tasks:

1. Compile water efficiency data into a searchable database using scripts to upload new data.
2. Develop prototype database with search protocols compatible with web, MnTAP, and University systems.
3. Test functionality of prototype database.
4. Select an appropriate user interface and develop consistent input and output protocols.
5. Prototype the new searchable database application with internal staff and project partners.
6. Manage project tasks, activities, and project documentation effectively.
7. Develop reports to share findings with MnTAP staff and funding partners.
8. Summarize findings in a detailed final report.
9. Present project findings to MCES staff and stakeholders, and at MnTAP hosted public presentation events.

The position is full time, 40 hours per week, for three months to start after the conclusion of spring semester or quarter. Pay is \$15/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$17.00/hour when averaged over the project. Candidates must pass a background check.

QUALIFICATIONS:

- Cumulative GPA of at least 3.0
- Good oral & written communication skills
- A technical academic background
- Troubleshooting skills
- Self-motivated
- Experience with database management
- Appropriate majors: *Engineering, computer science, computer engineering, environmental or physical sciences and others as applicable*

TO APPLY:

Apply online at:

www.mntap.umn.edu/intern/student_apply.htm

Remember to submit your application form, cover letter, resume, and unofficial transcript.

Cover letters can be addressed to:

Matt Domski, Intern Program Administrator
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MNTAP IS THE HIRING BODY