



STUDENT SUSTAINABILITY COMMITTEE

Funding Award and Acceptance Letter

May 21, 2022

Project: **Soil boring database for UIUC campus**

Dear **Wenzhe (Jason) Mi**,

On behalf of the University of Illinois at Urbana-Champaign Student Sustainability Committee (SSC), we would like to thank you for initiating a project that improves the sustainability of our campus. SSC is pleased to inform you that your project will receive **\$7,500.00** in grant funding.

In order to remain eligible for this award, you must agree to the following conditions:

1. The project must be completed within two years. A final report of all work completed should be provided to the SSC Assistant Director by **May 21, 2024**.
2. Project status updates and detailed account statements must be provided at the end of each semester, in the method requested, until the project is completed.
3. The Contact Person will be individually responsible for all official communication and the execution of this agreement.
4. The awardee will take the appropriate steps to create a CFOP with OBFS UAFR University Accounting Services. The CFOP provided for this award shall strictly be used for the money awarded in this proposal.
5. Any substantial modifications to project scope, budget, or timeline must first be approved by SSC. These requests must be submitted in a formal letter to the Chair and the Assistant Director.
6. All projects will be expected to follow campus policies and procedures as well as any applicable State and Federal laws.
7. SSC reserves the right to revoke funding if the project does not comply with the terms and conditions outlined in this letter.
8. Any press releases or educational/promotional materials involving the project should acknowledge SSC funding.
9. Any signage involving the project or events surrounding this project should include SSC's logo and/or a statement of which fee funded the project. Projects must coordinate with SSC to ensure promotion appropriately highlights the SSC's contributions to the project.

If you agree to the terms and conditions for the funding, please sign on the designated line at the bottom of this letter. If you have any questions regarding these requirements please contact the SSC, at sustainability-committee@illinois.edu. You will be notified when the Institute for Sustainability, Energy, and Environment and Vice Chancellor for Student Affairs officially approves this project. Again, thank you for your interest in improving the sustainability of the University of Illinois at Urbana-Champaign. We look forward to working with you in the future.



STUDENT SUSTAINABILITY COMMITTEE

SSC Signatories

Jack Reicherts

Jack Reicherts, Chair
Student Sustainability Committee

Awardee Signatory

Jason Mi

Wenzhe (Jason) Mi
Applicant

**Faculty or Staff Project Advisor
(for Student-Led Projects)**

Andrew Stumpf

Dr. Andrew Stumpf
Faculty/Staff Project Advisor

iSEE Signatory

Madhu Khanna

Dr. Madhu Khanna, Director
Institute for Sustainability, Energy & Environment

Student Affairs Signatory

Dr. Danita M. B. Young

Dr. Danita Brown Young, Vice Chancellor
Division of Student Affairs



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Project Information

Project: Soil boring database for UIUC campus

Funding Source:

Cleaner Energy Technologies Fee (302571)

Sustainable Campus Environment Fee (303692)

Funding Amount: \$7,500.00

Receiving Campus Unit: Illinois State Geological Survey - Prairie Research Institute (PRI)

Unit Financial Contact: Karen Hartman

E-mail: khartman@illinois.edu

Project Description:

Since the 1930's, faculty and staff in the Department of Civil and Environmental Engineering (CEE) and the Illinois State Geological Survey (ISGS) in the Prairie Research Institute have worked with Facilities & Services (F&S) in characterizing the underground geological and engineering conditions at new building sites. Together with the F&S' consultants and developers these campus teams have been influential in the save design and construction of many notable buildings on campus (e.g., State Farm Center [Assembly Hall]and Krannert Performing Arts Center). For every new construction project, set of soil borings are taken to describe the geological materials and geotechnical parameters where components of the structure foundation will be constructed. Throughout the 90+ years, each of these three campus units have retained their own records of these soil borings and associated site descriptions and design interpretations, but there is not one central database for all this information. F&S is the primary repository for soil boring and engineering documents for campus projects, but these records are not available in a geospatial map service that can be viewable by campus staff and faculty. The ISGS has a partial record of soil borings on campus that are available through the ILWATER mapping project (<http://isgs.illinois.edu/ilwater>). CEE has archived scans of their documents in the IDEALS digital repository for research and scholarship

- (https://www.ideals.illinois.edu/handle/2142/99654/browse?rpp=20&sort_by=1&type=title&offset=0&etal=-1&order=ASC).



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The proposed project will bring together all the soil boring records from campus building projects into one database that will be made available through the ISGS ILWATER mapping project. I will assist F&S staff and ISGS scientists in developing and building the database and map project. Having a complete database available to campus will make future building projects more efficient and save costs from taking unnecessary soil borings. For example, the use of historical underground information can be used to inform the site conditions for new projects reducing the number of additional soil borings needed for building designs.

This proposal directly funds:

- Undergraduate Research Assistant salary (400 hours, \$15/hr): \$6,000.00
- gINT Geotechnical and Geoenvironmental software: \$1,500.00