

# Nicholas Witthoeft

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## Education

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### University of Minnesota, Twin Cities

- Bachelor of Science, Forestry and Natural Resources Management (2018 - 2022 expected)
  - Minors in Computer Science, GIS
  - Relevant Coursework:
    - FNRM 3262: Advanced Remote Sensing and Geospatial Analysis
    - FNRM 3104: Forest Ecology
    - CSCI 1933: Introduction to Algorithms and Data Structures

## Experience

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**Senterra** Minneapolis, MN (May 2020 - Dec 2020)  
*Geospatial Analyst Intern*

- Generate crop analytics from original imagery to completed product.
- Used GIS tools and custom software to analyze imagery for agronomic insight.
- Developed new models, scripts and workflows to automate processes for crop monitoring and assessment.

**University of Minnesota, Student Activities Office** Minneapolis, MN (Dec 2018 - May 2020)  
*Event Planner*

- Plan events serving the student body of the university.
- Work with outside vendors and partners to provide activities for students on campus.
- Planned, executed, and budgeted events up to \$50,000.

**University of Minnesota, Turfgrass Research Group** Saint Paul, MN (Dec 2019 - May 2020)  
*Undergraduate Research Assistant*

- Maintain and collect data on experiments in a greenhouse and growth chamber setting.
- Assist in a laboratory setting with flow cytometry, PCR, and other molecular biology procedures.

## Skills

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| ● Python, R | ● ArcGIS/QGIS | ● Image Analysis |
| ● OpenCV    | ● Git         | ● Plant Biology  |

## Awards

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|--|-----------------------------|
| ● <b>Julia Carson Scholarship</b>                                  | Student Employee Excellence |
| ● <b>Henry Schmitz Student Leadership Award</b>                    | Leadership                  |
| ● <b>Undergraduate Research Program Grant</b>                      | Research                    |
| ● <b>CFANS Natural Resources Alumni Scholarship</b>                | Academic                    |
| ● <b>Edward A. Everett Scholarship</b>                             | Academic                    |
| ● <b>Leon C. Snyder Scholarship - Minnesota Landscape Scholars</b> | Academic                    |