

# NOAH POLACEK

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## EDUCATION

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|   |                             |
|---|-----------------------------|
| University of Nebraska at Omaha.                                      | January 2023 - Present      |
| M.S. Economics / Masters of Business Administration                   | GPA : 4.0                   |
| <i>Concentration in Data Analytics and Econometrics</i>               |                             |
| <i>Concentration in Investment Science, Supply Chain Management</i>   |                             |
| University of Nebraska at Omaha.                                      | August 2019 - December 2022 |
| B.A. Economics / B.S. Mathematics                                     | GPA : 4.0                   |
| <i>Concentrations in Business Analytics, Data Science, Statistics</i> |                             |
| <i>Minor in Computer Science</i>                                      |                             |

## RESEARCH EXPERIENCE

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|---|-------------------------------|
| Numerical Ranges over Finite Fields   | August 2021 - August 2022     |
| Research Assistant  | Advisor: Dr. Patrick X. Rault |
| <ul style="list-style-type: none"><li>• Computed and verified past mathematical results.</li><li>• Constructed a program to find unitary scalars in modular classes.</li><li>• Maintained weekly notes over new findings.</li></ul> |                               |
| Natural Disasters and REIT Returns  | August 2022 - December 2022   |
| Research Assistant  | Advisor: Dr. Jamie Chung      |
| <ul style="list-style-type: none"><li>• Compiled and collected real estate data.</li><li>• Inspected and cleaned data for eventual analysis.</li><li>• Analyzed data and formulated conclusions.</li></ul>                          |                               |

## SOFTWARE TOOLS

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|                       |   |
|-----------------------|---|
| Platforms             | MS Office, MySQL, Jupyter Notebooks, PowerBI, Tableau |
| Programming Languages | Python, R, SQL, Java, LaTeX.                          |

## TEACHING EXPERIENCE

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|---|-----------------------------|
| College of Business Administration, University of Nebraska at Omaha.  | January 2022 - January 2023 |
| CBA Math Tutor  | Omaha, Nebraska             |
| <ul style="list-style-type: none"><li>• Evaluated student comprehension via personal instruction.</li><li>• Mentored students through individual and group tutoring.</li><li>• Constructed personal learning plans for struggling students.</li></ul> |                             |
| Department of Mathematics, University of Nebraska at Omaha.   | August 2021 - December 2021 |
| Teaching Assistant for MATH 1370  | Omaha, Nebraska             |
| <ul style="list-style-type: none"><li>• Implemented rubrics to assess student comprehension.</li><li>• Clarified points of improvement in student homework.</li><li>• Coordinated with instructors to yield meaningful feedback.</li></ul>            |                             |

UNO Math Lab, University of Nebraska at Omaha.  
Math Tutor

August 2020 - August 2021  
Omaha, Nebraska

- Facilitated private instruction to struggling students.
- Monitored student performance in academic environments.
- Reviewed study material with students by discussing solutions.

## WORK EXPERIENCE

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Union Pacific Corporation  
Corporate Auditor

January 2023 - Present  
Omaha, Nebraska

- Evaluates handling of tax processes and supply chain internal controls.
- Prepares queries and statistical tests to enhance auditing process.
- Collaborates with management to mitigate internal risk.

CATCH Intelligence  
Data Science Intern

May 2022 - August 2022  
Omaha, Nebraska

- Designed and evaluated statistical learning models.
- Optimized and corrected existing scripts.
- Investigated data using SQL, Python, and R to consult business clients.

## CERTIFICATIONS

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RapidMiner  
*Machine Learning Master*

June 2022  
[bit.ly/3Bgux4n](https://bit.ly/3Bgux4n)

RapidMiner  
*Data Engineering Master*

July 2022  
[bit.ly/3xlO9mq](https://bit.ly/3xlO9mq)

CITI Program  
*Group 3: Social/Behavioral Course*

January 2022  
[bit.ly/3S2PqXk](https://bit.ly/3S2PqXk)

## CONFERENCE PRESENTATIONS

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UNO Research and Creative Activity Fair  
Expanding the Frontier of Finite Field Numerical Ranges

March 4, 2022  
Omaha, Nebraska

MAA Nebraska and SE South Dakota Annual Meeting  
Expanding the Frontier of Finite Field Numerical Ranges

April 2, 2022  
Madison, South Dakota

## ACHIEVEMENTS

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Recipient of the Outstanding Undergraduate in Economics Award at UNO

2023

Second Place in First National Bank of Omaha Datathon

2022

UNO Chancellor's List Recipient (4.0 GPA) for seven semesters

2019-2022

Recipient of James Horejs Scholarship for Outstanding Junior in Economics

2021

## **EXTRACURRICULARS**

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|  |                     |
|--|---------------------|
| <b>Trombonist, Maverick Marching Band</b>                  | <b>2019-2020</b>    |
| <b>Secretary, UNO Honors Student Association</b>           | <b>2020-2021</b>    |
| <b>Member, UNO Financial Management Association</b>        | <b>2021-2022</b>    |
| <b>Member, UNO Collegiate Entrepreneurial Organization</b> | <b>2022-Present</b> |
| <b>Secretary, UNO Economics Club</b>                       | <b>2020-Present</b> |

## **MEMBERSHIPS**

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|---|-----------------------|
| <b>Phi Kappa Phi Honors Society</b>                   | <b>2022 - Present</b> |
| <b>Pi Mu Epsilon Mathematics Honors Society</b>       | <b>2022 - Present</b> |
| <b>Omicron Delta Epsilon Economics Honors Society</b> | <b>2021 - Present</b> |