

Ana Podariu, M.S.

Graduate Teaching Assistant

University of Nebraska-Lincoln

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EDUCATION

- 08/2022–08/2023 **M.S., Mathematics**
University of Nebraska-Lincoln, Lincoln, NE, USA
- 08/2018–05/2022 **B.S., Mathematics and Physics**
University of Nebraska - Lincoln, Lincoln, NE, USA

CONFERENCES + WORKSHOPS ATTENDED

- 06/2025 **Séminaire de Mathématiques Supérieures (SMS) 2025 : An Introduction to Recent Trends in Commutative Algebra**
Workshop, Fields Institute for Research in Mathematical Sciences
- 05/2025 **URiCA 2025** (Organizer)
Discussed potential speakers, involved in estimating travel reimbursement costs, emailed attendees with room assignments.
Conference, University of Nebraska - Lincoln
- 09/2024 **KUMUNU 2024**
Conference, University of Missouri

TEACHING EXPERIENCE

- 08/2024–05/2025 **Associate Convener, Graduate Teaching Assistant**
Fall 24: MATH 106 (Calculus I)
Spring 25: MATH 106 (Calculus I)
- 08/2023–05/2024 **Instructor of Record**
Fall 23: MATH 101 (College Algebra)
Spring 24: MATH 102 (Trigonometry)
- 08/2022–05/2023 **Graduate Teaching Assistant**
Fall 22: MATH 106 (Calculus I)
Spring 23: MATH 107 (Calculus II)

RESEARCH EXPERIENCE

08/2020–05/2021 **Undergraduate Creative Activities and Research Experience (UCARE)**
Position: Undergraduate Researcher
Location: University of Nebraska-Lincoln
Supervisor: Dr. Yu Jin

TALKS (LOCAL)

Spring 2025 *Using Macaulay Duality to Determine the Strong Lefschetz Property for Artinian Gorenstein Algebras*
Commutative Algebra Research Seminar (CARS). University of Nebraska-Lincoln.

Summer 2024 *Algebras with the Strong Lefschetz Property as Representations of $SL(2, C)$*
Commutative Algebra Research Seminar (CARS). University of Nebraska-Lincoln.

Spring 2024 *The Jordan Type Theorem + An Anecdote*
Commutative Algebra Research Seminar (CARS). University of Nebraska-Lincoln.

Fall 2023 *Deriving a Solution to the Linear Schrodinger Equation and Discussion on Soliton Solutions to the Nonlinear Schrodinger Equation*
Graduate Student Seminar (GSS). University of Nebraska-Lincoln.

PROGRAMMING SKILLS

Macaulay2 Use Macaulay2 to look at examples relevant to my research, primarily using existing packages and available documentation.

WebWork Used previous exam questions and online documentation on WebWork to program related questions for Calculus I exams.

LANGUAGES

English (native)

Romanian (basic) Can read written Romanian and understand spoken Romanian easily, as well as hold a casual conversation and write with some grammatical issues.

French (basic) Can read written French and understand clearly enunciated French, provided it is not spoken too quickly. Can ask basic questions and write with some grammatical issues.

UNDERGRADUATE HONORS, AWARDS & SCHOLARSHIPS

08/2018–05/2022 Chancellor’s Scholar, University of Nebraska-Lincoln

08/2018–05/2022 National Merit Scholar, University of Nebraska-Lincoln

08/2018–05/2022 Honors Program, University of Nebraska-Lincoln

Fall 2018–Spring 2019 Dean’s List (CAS) University of Nebraska-Lincoln

08/2019 D & F Eastman Scholarships, University of Nebraska-Lincoln

05/2022 Chair’s Prize, Department of Mathematics, University of Nebraska-Lincoln

REFERENCE

Dr. Alexandra Seceleanu (Ph.D. advisor)

Position: Associate Professor at University of Nebraska - Lincoln

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[CV compiled on August 15, 2025]

Lincoln, NE - USA, August 15, 2025