

Jack Kinseth

jkinseth@gmu.edu · kinsethjr@gmail.com · (515) 229-5088

2706 9th St S #201, Arlington, VA 22204

EDUCATION & RESEARCH

- **George Mason University**
Doctor of Philosophy—Mathematics
Offered admission April 15, 2022
August 2022-
- **Iowa State University**
Bachelor of Science—Mathematics (Philosophy Minor)
Cum Laude
August 2018 - December 2021
- **Research Assistant**
Conditions for matchability in groups and field extensions
(Journal link)
Under the supervision of Dr. Mohsen Aliabadi, published in *Linear and Multilinear Algebra*
Spring 2021 - Summer 2021
- **Research Assistant**
A meta-analysis of Boolean network models reveals design principles of gene regulatory networks (Preprint link)
Under the supervision of Dr. Claus Kadelka
Fall 2018 - Spring 2019

HONORS & AWARDS

- **Phi Beta Kappa Honor Society**
For excellence in liberal arts & science
Inducted Spring 2021
- **Kingland Data Analytics in Liberal Arts and Sciences Scholarship**
Awarded Spring 2020 for Fall 2020 - Spring 2021
- **Dean's High Impact Award for Undergraduate Research**
Awarded Spring 2021 for Summer 2021
- **James L. Cornette Mathematics and Interdisciplinary Studies Scholarship**
Awarded Spring 2020 for Fall 2020 - Spring 2021
- **Fred Wright Mathematics Endowed Scholarship Fund**
Awarded Spring 2021 for Fall 2021

WORK EXPERIENCE & SKILLS

- **Graduate Teaching Assistant, George Mason University**
 - Conducts two weekly 50-minute recitations for Calculus I (MATH 113)
 - Plans and executes active learning activities
 - Writes, delivers, and grades quizzes to track students' progress
Fall 2022
- **Math Content Specialist, Study.com**
Wrote rich and accessible long-form math lessons primarily in calculus, differential equations, and linear algebra for students at the college level
Winter 2021-Summer 2022
- **Supplemental Instruction Leader, Iowa State University Academic Success Center**
 - Planned and facilitated three weekly one-hour sessions for multivariable calculus and differential equations students
 - Collaborated with professors and colleagues to plan and conduct two-hour exam reviews that drew 80+ students
Fall 2019, Fall 2020, Spring 2021
- **Technical & Workplace Skills**
Python, R, & Java, data analysis and visualization, complex & collaborative problem solving, algorithm design, logical thinking, and rigorous argumentation

LEADERSHIP & DEVELOPMENT

- **State Science Technology Fair of Iowa**
(Judge) Provided positive and constructive feedback to students and deliberated with other judges to decide the winners
Spring 2022
- **Study Abroad—Stockholm, Sweden**
Enrolled as an exchange student at KTH Royal Institute of Technology and navigated living in a foreign country during the COVID-19 pandemic
Spring 2020