

GENA GUERRIERI

Midland, MI • (302) 304-9488 • grguerrieri22@gmail.com

EDUCATION

University of Illinois-Chicago (UIC), Chicago, IL

Bachelor of Science Mathematics; Minor in Mandarin, Magna Cum Laude

Honors College; GPA: 3.8

May 2024

RESEARCH EXPERIENCE

Honors College Capstone, Chicago, IL

Sept 2023 - May 2024

- Explored the integration of Virtual Reality (VR) technology into higher-level mathematics classes to propose a VR design to teach vector spaces, with an emphasis on applications in engineering.
- Conducted a thorough, comprehensive review of existing literature and empirical studies focused on how VR is currently in use in classrooms across the world (i.e., elementary - high school).

Math Statistics and Computer Science (MSCS) Research Laboratory, Chicago, IL

Jan - May 2024

- Utilized combinatorial and analytic techniques to understand integer partitions and respective identities.
- Verified these partition identities by using known proofs along with computer programs to search for new methods of bijective proofs.
- Presented noteworthy findings at the UIC MURL (Math Undergraduate Research Labs) conference to professors and students in related fields.

LEADERSHIP & OUTREACH

Tutor, Metro Achievement Center for Girls, Chicago, IL

Jan - May 2023

- Spent time with my fourth grader after school, giving her the space and assistance to complete her homework in a timely fashion.
- Met with the parents to personalize my tutoring style to their needs and demographic.
- Focused on empowering her in her educational and extracurricular endeavors.

Treasurer, UIC Women's Rugby Club Team, Chicago, IL

Jan 2022 - Jan 2023

Managed club finances, collecting and allocating funds appropriately.

- Organized fundraising events that were cost effective, marketable, and inclusive to all demographics.
- Found ways to support women that wanted to participate in the club but might not have had the means.

Professional Experience

Undergraduate Grader, UIC Math, Stats, CS Dept., Chicago, IL

Jan 2024 - May 2024

- Graded 400 discussion worksheets weekly for Calculus I in Gradescope.
- Provided students with accurate feedback, facilitating an opportunity for learning from their mistakes.

Hostess, Renaissance Chicago Downtown Hotel, Chicago, IL

Jan 2023 - Sept 2023

- Welcomed guests to the hotel's bar and restaurant in a relaxed and open manner so that they feel invited.
- Saw to it that the guests were comfortable and that the staff had everything they needed to provide stress free service.
- Understood the hotel and the neighborhood to better assist a guest if they needed anything.

REFERENCES

Daniel Ingebretson

University of Illinois at Chicago
Lecturer, Mathematics, Statistics & Computer Science Dept.
Professor, Research Supervisor
851 S Morgan St
720 SEO, MC 249
Chicago, IL 60607
(312) 996-3041 · dingeb2@uic.edu

Jackie Angulo

Renaissance Chicago Downtown Hotel
Assistant Operations Manager, Food & Beverage
Supervisor
1 West Upper Wacker Drive
Chicago, IL 60601
(312) 795-3476 · jackie.angulo@renhotels.com