

Olivia Tirso

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EDUCATION

Kean University | Union, New Jersey
B.S. in Computer Science | GPA: 3.5

Expected May 2025

Middlesex College | Edison, New Jersey
A.A. in Physical Education | GPA: 3.7

May 2023

TECHNICAL SKILLS

Programming Languages: Java & Python
Operating Systems: Windows, MacOS, Android, iOS
Tech/Tools: Eclipse & Google Colab

Relevant Coursework: Data Structures, Discrete Structures, IT Project Management, Computer Programming, Computer Systems

AWARDS

CASHI Conference Travel Scholarship 2023
Freshmen Research Initiative (FRI) Research Stipend 2023
Improving Undergraduate STEM Education (IUSE) Research Stipend 2023
Dean's List: 2023 Fall & 2023 Spring

EXPERIENCE

Student Researcher | Freshmen Research Initiative, Kean University **MAY 2023 – JULY 2023**

- Created a program using Python, that develops a visual representation of hotel review data to identify key aspects and patterns using text processing and data analysis.

Student Scholar | NSF Improving Undergraduate STEM Education **MAY 2023 – AUGUST 2023**

- Utilizing natural language processing techniques for text summarization and sentiment analysis in the context of hotel reviews.
- Offers an opportunity to investigate the practical applications of these methods.

RESEARCH POSTER/PRESENTATIONS

O. Tirso and D. Kwak, "Simplifying Hotel Reviews: Sentiment Analysis and Review," in 35th Annual GMIS Conference, Pasadena, CA, October 11-14, 2023. – in submission for review

RESEARCH PROJECTS

Analyzing Hotel Reviews: Sentiment Analysis and Topic Modeling for Summarization

June 2023 – Present

- Contributes to the broad field of sentiment analysis and topic modeling.
- Explores techniques within the context of hotel reviews, offering a blueprint for similar analysis in other industries.

ACTIVITIES

Member, Association for Computing Machinery-Woman (ACM-W)

September 2023 – Present

Member, Association for Computing Machinery- (ACM)

September 2023 – Present