

Katherine Lim

klm5@students.towson.edu | www.linkedin.com/in/k-lim5

EDUCATION

Carroll Community College | Westminster, MD

December 2021

Associate of Arts and Sciences

Towson University | Towson, MD

Expected Graduation May 2024

Bachelors – Computer Science

GPA: 4.0

Coursework: Data Structures and Algorithm Analysis, Discrete Mathematics, Object-Oriented Programming, Calculus I, Calculus II, Calculus III, Statistical Methods, Principles of Computer Organization, Intro. to Cybersecurity, Intro. to Web Development, Intro. to Theory of Computing

LANGUAGES & SKILLS

Java, Python, HTML, CSS, Javascript, Latex, MATLAB, Wolfram Mathematica

EXPERIENCE

Upsilon Pi Epsilon | **Member**

April 2023 – Present

- Uphold the society's values and encourage enrichment of knowledge
- Promote the disciplines of computing and information

Carroll County Public Library | **Page & Passport Acceptance Agent**

July 2021 – Present

- Shelf books in appropriate collections and manage book circulation
- Assist patrons with information and technology questions
- Review and accept U.S. passport applications

Math National Honors Society | **Member**

January 2018 – May 2020

- Participate and help plan events to promote mathematics in the high school student body
- Tutor students in mathematics

PROJECTS

NFA Simulator | **Java**

- Wrote a program that reads a string from the user in the binary alphabet and simulates the input string on a nondeterministic finite automaton defined by a text file listing the number of states, accepting states, and transitions, and determines if the input string is accepted or rejected by the given NFA
- Constructed a node class to represent the tree of scenarios for the given input string and NFA

Personal Playlist Web Page | **HTML, CSS, Javascript**

- Designed several visually appealing and interactive web pages to display information about songs on playlists
- Created a web page allowing the user to customize a printable poster by entering information in fields such as text boxes and drop-down menus with Javascript and formatted the printed web page using CSS