

# JIHUN KIM

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## EDUCATION

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**The University of Tennessee, Knoxville** Knoxville, TN  
*Bachelor of Science in Computer Science* Aug 2020-May 2024  
*Minors in Cybersecurity & Machine Learning*

- Cumulative GPA: 3.98/4.0 | Dean's List: Fall 2020-Spring 2023
- Courses: Data Structures & Algorithms, Systems Programming, Software Engineering

## EXPERIENCES

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**Oak Ridge National Laboratory** Knoxville, TN  
*Science Undergraduate Laboratory Internships* May 2023-July 2023

- Focused on Improving interoperability between different geographical categorization schemes using large language models.
- Utilized various functions of natural language processing tools, focusing on information retrieval and semantic search.
- Analyzed the collected data by visualizing it in various types of graphs like clustered bar graphs or boxplots.

**University of Tennessee** Knoxville, TN  
*Engineering Physics Teaching Assistant* Aug 2022-May 2023

- Set up equipment to solve problems that involve physics knowledge.
- Assisted students to be prepared for future engineering courses.

**Clarksville High School** Clarksville, TN  
*High School Math Tutoring* Sep 2019-Feb 2020

- Tutored high school students in Algebra I&II, Geometry, and Pre-Calculus at Clarksville High School.

**Clarksville-Montgomery County Public Library** Clarksville, TN  
*Teen Reading Program Volunteering* June 2019

- Assisted with directions, handing out lunches, and addressing special requests from families, program coordinators, and children.

## PROJECT

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**Creating a New Classical Song using Recurrent Neural Network** April 2023-May 2023

- Trained an AI using Recurrent Neural Networks with lots of classical music.
- Created a new classical song using a trained model.

## ACTIVITIES

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**Mu Alpha Theta** Aug 2018-Mar 2020

- Helped organize math-related events to stimulate students' mathematical interest.
- Created math puzzles for Clarksville high school students.

**HackUTK** Aug 2020-Present

- Learned about cybersecurity and the basic concepts of hacking.
- Helped to operate VOLHACKS V as supporting participants.

**utkML** Aug 2020-Present

- Learned about machine learning and how it is used in real-life.