

# JIHUN KIM

**C++, Python | Git, VS Code, Vim, Jupyter Notebook, Excel**

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## EDUCATION

<b>The University of Tennessee, Knoxville</b>	Knoxville, TN
<i>Bachelor of Science in Computer Science</i>	Aug 2020 - May 2024
<i>Minors in Cybersecurity &amp; Machine Learning</i>	
<ul style="list-style-type: none"><li>Cumulative GPA: 3.98/4.0   Dean's List: Fall 2020-Spring 2023</li><li>Courses: Data Structures &amp; Algorithms, Systems Programming, Software Engineering</li></ul>	

## EXPERIENCES

<b>Oak Ridge National Laboratory</b>	Knoxville, TN
<i>Science Undergraduate Laboratory Internships</i>	May 2023 - July 2023
<ul style="list-style-type: none"><li>Focused on improving interoperability between different geographical categorization schemes using a large language model.</li><li>Information retrieval and semantic search using natural language processing tools.</li><li>Analyzed the collected data by visualizing it in clustered bar graphs or boxplots.</li></ul>	
<b>University of Tennessee, Knoxville</b>	Knoxville, TN
<i>Engineering Physics Teaching Assistant</i>	Aug 2022 - May 2023
<ul style="list-style-type: none"><li>Helped improve students' understanding of programs such as Excel and MATLAB.</li><li>Contributed to increasing students' understanding of physical concepts.</li></ul>	

## PROJECTS

<b>Creating New Classical Song using Recurrent Neural Network</b>	Apr 2023 - May 2023
<ul style="list-style-type: none"><li>Trained a model using Recurrent Neural Networks by inputting lots of classical music.</li><li>Created a new classical song using a trained model using TensorFlow in Python.</li></ul>	
<b>Implementing University Dining Website</b>	Aug 2022 - Dec 2022
<ul style="list-style-type: none"><li>Designed a university dining website using Typescript and Sass.</li><li>Implemented pop-up window, menu board, and zoom button features.</li></ul>	

## ACTIVITIES

<b>Hack4Impact</b>	Sep 2023 - May 2024
<ul style="list-style-type: none"><li>Developed a website helping capture volunteer information and event management.</li></ul>	
<b>Excel Modeling Club</b>	Sep 2023 - May 2024
<ul style="list-style-type: none"><li>Learned the functions and features of Excel and prepared for the competition.</li></ul>	
<b>utkML</b>	Aug 2021 - May 2024
<ul style="list-style-type: none"><li>Learned about machine learning and how it is used in real-life.</li></ul>	
<b>HackUTK</b>	Aug 2021 - May 2024
<ul style="list-style-type: none"><li>Learned about cybersecurity and the basic concepts of hacking.</li></ul>	

## AWARDS

<b>OLCF Hands-On HPC Certificate</b> , <i>Oak Ridge National Laboratory</i>	Jun 2023 - Aug 2023
<ul style="list-style-type: none"><li>High Performance Computing including Machine Learning, GPU Programming, etc.</li></ul>	
<b>Engineering Scholarship</b> , <i>University of Tennessee, Knoxville</i>	Aug 2021 - Dec 2023
<ul style="list-style-type: none"><li>Awarded based on academic qualifications, extracurricular activities, leadership roles, and awards received in high school.</li></ul>	