

JIHUN KIM

C++, Python | JavaScript, TypeScript | TensorFlow, Pandas, Git, VS Code, Excel

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EDUCATION

The University of Tennessee, Knoxville

Knoxville, TN

Candidate for Master of Science in Computer Science

Aug 2024 - May 2025

Bachelor of Science in Computer Science

Aug 2020 - May 2024

Minor in Cybersecurity & Machine Learning

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

EXPERIENCES

Science Undergraduate Laboratory Internships

Knoxville, TN

Oak Ridge National Laboratory

May 2023 - July 2023

- Focused on improving interoperability between different geographical categorization schemes using a *large language model*.
- Information retrieval and semantic search using natural language processing tools.
- Analyzed the collected data by visualizing it in clustered bar graphs or boxplots.

Engineering Physics Teaching Assistant

Knoxville, TN

University of Tennessee, Knoxville

Aug 2022 - May 2023

- Helped improve students' understanding of programs such as Excel and MATLAB.
- Contributed to increasing students' understanding of physical concepts.

PROJECTS

Spiking Neural Network Drone, Team Project

Oct 2023 - May 2024

- Implement *Spiking Neural Network* to autonomously control Crazyflie drone.
- Test the drone's performance, stability, and flight skills for stable autonomous flight.

Compassion Ministries, Team Project

Oct 2023 - May 2024

- Implement a volunteer application website to support Compassion Ministries' activities.
- Manage volunteers and events data using *React* and *MongoDB*.

ACTIVITIES

Hack4Impact

Sep 2023 - May 2024

- Developed a website helping capture volunteer information and event management.

Excel Modeling Club

Sep 2023 - May 2024

- Learned the functions and features of Excel and prepared for the competition.

utkML

Aug 2021 - May 2024

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

HackUTK

Aug 2021 - May 2024

- Learned about cybersecurity and the basic concepts of hacking.

AWARDS

Microsoft Excel Collegiate Challenge 2023 Certificate

Sep 2023 - Nov 2023

- Demonstrates a blend of theoretical knowledge and practical skills in Excel.

OLCF Hands-On HPC Certificate, Oak Ridge National Laboratory

Jun 2023 - Aug 2023

- High Performance Computing including Machine Learning, GPU Programming, etc.

Engineering Scholarship, University of Tennessee, Knoxville

Aug 2021 - Dec 2023

- Awarded based on academic qualifications, extracurricular activities, leadership roles, and awards received in high school.