Kaiwen (Kevin) Guo

Engineering Student

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EDUCATION

Jan 2023-Present

New York University / Tanden School of Engineering / Computer Science
Minor: Cyber Security
Minor: Mathematics
GPA 3.96 / 4.0

Coursework Completed :

Calculus I – III	Linear Algebra
Discrete Mathematics	Engineering Systems I – II
Digital Logic	Vertically Integrated Projects
Software Development I-II	Object Oriented Programming
Computer Architecture	Computer Networking
Data Analysis	Computer Software Engineering

Coursework Inprogress:

Network Security	Introduction to Operating System
Computer Security	Introduction to Databases

Anticipated Graduation: May 2025

Aug 2021-Dec 2022

Ohio State University / College of Engineering / Computer Science
GPA: 3.754 / 4.0

EXPERIENCE

Sept 2023-Present

Team Lead NYU Real Time Application Development Team
Acted as team lead for NYU Real Time App Team under NYU HSRN (High Speed Research Network), focusing on powering real time "closed loop" research through the seamless integration of advanced network infrastructure and applications. Skills utilized but not limited to Docker, Kubernetes, Kafka, Corelink, and Raspberry Pi.

Jan 2024-Present

Teaching Assistant for Computer Networking
Acted as the TA for NYU Tandon's Computer Networking courses. Hosts office hours each week, grades assignments and exams, and responds to students' questions

Jan 2024-Present

NYU OSIRIS Club
Weekly CTF challenges, discussions on cybersecurity developments

Sept 2023 – Dec 2023

NYU TRIO Student Tutor
Hosted office hours to provide supplementary tutoring and assistance to students seeking assistance in Object Oriented Programming and Data Analysis

Aug 2023-
Sep 2023

NYU Student Orientation Leader
Participated as a mentor for incoming NYU freshmen, facilitating campus tours and disseminating vital information to ease their transition into university life.

May 2023-
Jul2023

Hozon Auto Internship (China)
Participated in the selection of Cloud service for Hozon auto and did data analysis using data collected from various sources and compiled this information into reports.

Jan 2022 –
Dec 2022

OSU Student Grader
Served as a Teaching Assistant for Java I, responsible for assignment grading and providing instructional support in collaboration with the course instructor.

Aug 2021 -
Dec 2021

OSU Morrill Tower Office Assistant
Assisted students' residents regarding all questions about their dorms, student life and provided help as needed.

May 2022 –
July 2022

Stepping Stones
Volunteer opportunity to provided English language instruction to primary age children in underserved areas of rural China, promoting language skills and cultural exchange.

SKILLS & ABILITIES

- Bilingual: English and Chinese
- Familiarity with C++, Python, Java, Docker, Kubernetes, Corelink, Kafka, Matlab, Wireshark, Splunk and Solidworks

BADGES

- NYU Tandon School of Engineering Security in Google Cloud Badge
  https://www.credential.net/e093d021-4e5a-4f25-8140-9ce40563c72b

ACCOMPLISHMENTS

Sep 2023 - Present

NYU HSRN Real-Time Application Team

Collaborated directly with the NYU Fenton Lab, a workflow that involves a streamlined process where experimental data is captured, processed, and analyzed in real time, allowing immediate adjustments to be made to ongoing research parameters was deployed. This process utilizes a low latency (40 microsecond RTT) network and a series of interconnected platforms that work together to ensure seamless operation. Documentation for the Real-Time Application Team can be found here:

Aug 2020 - Sept 2020

Machine Learning and Artificial Intelligence Project hosted by UIUC (University of Illinois, Urbana, Champaine)

Participated in online course work on machine learning and artificial intelligence theories. The course concluded with a project that resulted in the publication of a research paper titled "Application of Machine Learning and Real-time Feedback System to Predict Arriving Time", which was ultimately published by the Journal of Physics Conference Series. Access the research paper here: