Kohei Nishiyama

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Education

University of Michigan, Ann Arbor, MI
Bachelor of Science in Engineering in Electrical Engineering
GPA: 4.00 /4.00 August 2020 - December 2023

Manhasset High School, Manhasset, NY
Diploma; GPA: 4.366/4.0 June 2020

Leadership

University of Michigan Autonomous Robotic Vehicle Team, Ann Arbor, MI
Platform Lead June 2021 - present

- Designing a studious chassis using Solidworks, a CAD software, for the autonomous robotic vehicle that meets the competition guidelines and uses its space efficiently to hold other systems
- Collaborating effectively with other divisions in the team to discuss parts placement and to have a clear understanding of the functionality of each system
- Training new members by organizing projects and helping them when they have questions

Experience

Manhasset Public Library, Manhasset, NY
Library Assistant "Page" July 2021 - August 2021

- Organized returned items and helped prepare for arts and crafts to improve the convenience of the library
- Maintained the fluid flow of the people at the library by helping them locate books quickly

Volunteer March 2019 - January 2020

- Monitored and assisted running children programs, such as arts and crafts and reading programs, to help children have enjoyable time and have expanded interest
- Trusted from the librarians for diligent effort and high communication skills with children, leading me to have a library assistant "Page" job

Activities

Solar Car Team, Ann Arbor, MI
Brakes division member August 2020 - May 2021

- Used Siemens NX, a CAD software, to design and assemble the brakes system
- Used Hyperworks, an analysis software, to conduct finite element analysis, testing the parts of the brake system and ensuring their safety
- Communicated smoothly with other divisions and their leads to clear any misunderstandings and work effectively to create a brake system suitable for the car

Skills

Computer skills: C++, Solidworks, Hyperworks, Siemens NX, Microsoft Word, Excel, PowerPoint
Machine skills: Wilson Center Basic 1 and 2 training completed ; able to use horizontal band saw, drill press, sheet metal shear, punch, and hand brake