**Zeyu Zhang**

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**Education Background**

**Harbin Institute of Technology (HIT) 09/2020-06/2024**

* Bachelor of Engineering in Automation (GPA: 75.04/100)

**Internship Experience**

**China Petroleum EDI Safety & Environment Protection Co., Ltd**

**Position: Trainee SIL Analyst at the Safety Engineering Institute 07/2023-08/2023**

* Carried out safety integrity level analysis of electrical instrumentation and risk analysis for electrical safety instrumentation in several projects
* Became familiar with the safety integrity system and norms and its role in engineering projects

**Position: Trainee SIL Analyst at the Safety Engineering Institute 07/2022-08/2022**

* Engaged in the design and upgrade of several types of electrical instrument panels including the indicating instruments, control instruments, and alarms
* Observed the on-site installation and debugging of electrical instruments and received training in developing power supply and distribution, fire alarms, and over-voltage protection systems

**China Petroleum Engineering Construction Company**

**East China Environmental Geotechnical Engineering Branch**

**Position: Intern on Automatic Control at the Contaminated Site Center 01/2022-02/2022**

* Participated in the selection and design of automation devices in the center and the completion of PID design in cooperation with seasoned professionals and experts
* Participated in the determination of various testing and control parameters and watched the on-site installation and commissioning of automation devices

**Position: Intern on Geographic Information System 07/2021-08/2021**

* Assisted in the commissioning of mapping UAVs and learned about their working principles
* Gained an in-depth understanding of a complete mapping process

**Campus Involvement**

**HIT Racing Team/** Member of the Electrical Group **01/2021-05/2023**

* Worked in a team to design, develop and test the electrical control and communication system and the motor equipment for our racing cars and prepare for diverse national competitions
* Able to design mechanical structure with CATIA, improve the control systems using Simulink and MATLAB, and test the CAN communication and motor devices with CANTest
* Our team won the first prize in Business Marketing and Design Report and the championship with the best overall result in the EV group in the 7th Baja SAE China

**School Basketball Team/** Team Leader **09/2021-12/2023**

* Participated in routine training and a variety of intra- and inter-school basketball competitions
* Developed strong interpersonal communication, teamwork, and organization abilities