Taiga Morishita

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Education:

Purdue University, Polytechnic Institute   2024 - Current
- Majoring in Automation and Systems Integration Engineering Technology
- 4.0 GPA
- Two-Time Dean's List

Newport High School   2020 - 2024
- Graduated with Honors
- AP Scholar with Distinction

Work Experience:

Subaru Indiana Automotive — Body Manufacturing Engineering Intern   Summer 2025
- In-Line Roof Measurement System
  - Implemented a Keyence laser profiler system to measure and report roof channels
  - Programmed a Mitsubishi Q-Series PLC to communicate with data collection system
- Updated ladder logic on over 100 Nachi robots to simplify dry runs
- Assisted with Engineering projects and debugged failing systems

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Extracurricular Activities:

Purdue Baja Racing — Data Acquisition (DAQ) member   2024 - Current
- Student-built, heavy-duty, competitive offroad racing
- Designing hardware for and programmed ATmega32u4, ESP32, & STM32 in bare-IC form
- Designing support PCBs for strain gages
- Configured Raspberry Pi (Bash/Python) to use CANbus and WiFi access points

Purdue Performance Collaborative   2025 - Current
- Stage Manager
  - Collaborate with directors, cast, and crew to build an engaging play

FIRST Robotics Competition Team 948 - Newport Robotics Group   2020 - 2024
- Systems VP
  - Manage 20+ student subteam to create a robust, impact-resistant electrical system

Newport High School Technical Theatre   2020 - 2024
- Lighting Technician
  - Quickly and consistently respond to cues
  - Troubleshoot issues on-the-fly using creative solutions

Skills:
- CISCO Certified Network Associate (2023)
- Amazon Web Services Certified Cloud Practitioner (2024)
- Fluent in Japanese