Koji Hirai

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Objective

Build academic and real-life experience to major in electrical engineering and pursue a field in engineering

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Education

Dublin High School / Advanced Scholar's Diploma
August 2017 - June 2021, Dublin, California

- Overall GPA: 4.12
- Enrolled in AP Calculus AB, AP Chemistry, AP Statistics, Honors Principles of Engineering, Computer Science Principles

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Volunteer & Work Experience

Valley Children's Museum / Teen Leadership Council
August 2019 - Present, Dublin, California

- Planned and Organized STEM-related activities
- Managed fundraising and outreach for museum programs

Extracurricular Activities

Gael Force Robotics / Team Captain
June 2017 - Present, Dublin, California

- Captain of Team 5327C (May 2019 - April 2020)
- Attended VEX World Championships for two consecutive seasons

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Awards

Create Award / 2019 VEX Robotics World Championships

2nd Place / REC Foundation Electronics Online Challenge 2018

Skills & Certifications

- Arduino, Raspberry Pi
- Soldering, Circuits, Electronics
- Fluent in English and Japanese
- Basic Conversational Chinese
- FCC Amateur Radio Technician Class License
- Microsoft HTML & CSS Certification

Projects

Disassembly of a Kindle Paperwhite
REC Foundation Electronics Online Challenge 2018

- Conducted research on various surface-mount electrical parts
- Analyzed the function of components as a system

Prevention of Static Electricity in VEX Robotics
Research for Robot Optimization in the 2019-2020 VEX Robotics Competition

- Researched the formation and effects of static electricity in VEX robots
- Developed a procedure to prevent the unwanted discharge/build-up of static electricity