

Ching-Ray Eu

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Work Experience

- **Safran Aerosystems Evacuation Internship**

- Quality Assurance Lab Intern (February 2023 - June 2023)**

- Modeled and fabricated materials testing apparatuses. Developed a program to organize lab protocol and documentation. Lab focused on engineering and testing materials for airplane life rafts, slides, and emergency equipment.

Activities

- **EMT at Holmdel First Aid Squad (August 2022 - August 2023)**

- Volunteer ambulance EMT 8 hours per week. Developed critical teamwork and communication skills.

- **USAF Auxiliary Cadet Member (June 2022 - January 2023)**

- Leadership role within Civil Air Patrol. Worked with other cadet members to coordinate and develop volunteer and aerospace education opportunities.

- **Tandon Motorsports FSAE (September 2023 - Current)**

- Research and development of NYU's motorsport FSAE. Focus on vehicle dynamics and mechanics

Skills

- **3D and Mechanical Design**

- Proficient in using SolidWorks, Fusion360, Autodesk Inventor, and OnShape for 3D printing, technical drawings, and fabrication of parts.

- **Microcontrollers**

- Experienced with designing and programming projects that contain Arduino, RaspberryPi, FPGA circuits, and digital electronics

Projects

- **Trichotillomania Disorder Biofeedback Wearable Design**

- Led a small team of classmates to develop a trichotillomania wearable device to help reduce ADHD based compulsive hair pulling. The project utilized 3D printed components, arduino, and programming to track and analyze behavior data overtime.