

Frank DiMaggio - Resume

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ABOUT

Engineering undergraduate at Baylor University seeking a degree in either Mechanical or Electrical Engineering. Excited to find a challenging, hands-on internship with an innovative company in the space, robotics or automotive industries.

EDUCATION

8/2024-5/2028, **Baylor University**, Candidate for B.S. in Mechanical or Electrical Engineering 2028 *Waco, TX*
Relevant Coursework: Physics, Engineering, Calculus

Additional Skills: Arduino Kit Use and Programming, Prototype Build, Basic Machining

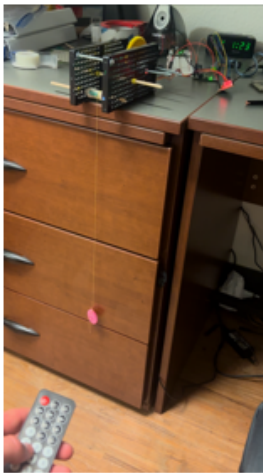
5/2024, **Palos Verdes Peninsula High School**, GPA: 3.9 *Palos Verdes Peninsula, CA*
Relevant Coursework & Skills: AP Computer Science, AP Computer Science Principles, Java & JavaScript

EMPLOYMENT HISTORY

6/2024-8/2024 & 6/2022 – 8/2022, **Beach Sports** *Redondo Beach, CA*
Position: *Assistant Coach & Lifeguard*

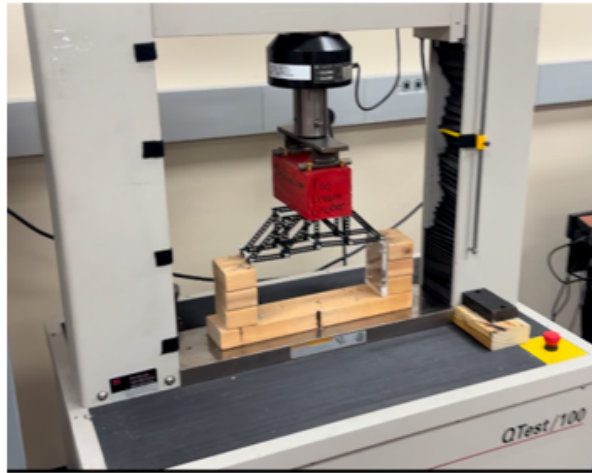
6/2023 – 8/2023, **Palos Verdes Peninsula Unified School District** *Palos Verdes Peninsula, CA*
Position: *Lifeguard*

RECENT PERSONAL PROJECTS *To see more projects visit frankdimaggioengineering.com*



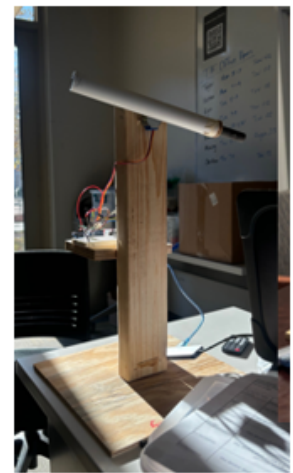
Gearbox Build & Programming

Assembled circuits and mechanical components needed to run a DC motor and gearbox using an Arduino Uno. Calculated required gear ratios to lift given mass in as little time as possible while still having enough torque to function. Programmed simple code using C++ and made test runs.



Truss Build & Test

Built and tested a Howe truss to support a midspan applied load at top and used Johns Hopkins Truss Simulator App to analyze truss and determine force distributions.



Projectile Launcher Project

Team project to build and operate a projectile launcher that could automatically adjust angle. Tubes, springs and motors attached to structure built in machine shop.

ACTIVITIES

Baylor University Rugby, Baylor University Wrestling Club, Palos Verdes Peninsula High School Cross Country 2022-2023, Palos Verdes Peninsula High School Track 2022-2023, Elite Training Center Mixed Martial Arts