



# Connecticut Science & Engineering Fair

## Quinnipiac University

March 3 - 15, 2025

These judging results are unaudited by the fair's Database Committee. The CSEF reserves the right to correct the listings.

### Final Judging Results

#### Award Legend

Plaque Winners = 1, 2, ...  
 Medalists = m  
 Winners = w

## Quinnipiac University Scholarships

[SchTown] [School] [Teacher]  
 [Proj#] [FCat] [Project Title]

### Middle School

**Greenwich** Eastern Middle School Andrew Bramante

2506 L8 Fabrication of a Biodegradable, Nutrient-Rich, Orange Peel-Loaded Hydrogel for Thermally-Programmed Release of Water to Maintain Soil Moisture

**Award** Student(s) **Rajsi Choudhary** Grade 8 Town **Greenwich**

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences 8th grade- \$200 & trophy
- \* Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 1st Place MS - \$200, Trophy
- \* Pepsico Engineering Awards --- 2nd Place- Engineering MS- \$150 & trophy
- \* Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac U. - MS Student in Engineering
- \* Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- \* Alexion Biotechnology Awards --- 3rd Place Biotechnology 8th grade - \$100 & trophy
- \* Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners

**Wilton** Middlebrook School Debbie Mallozzi

5507 P8 Bus Notification System with Raspberry Pi

**Award** Student(s) **Vidit Prabhu** Grade 8 Town **Wilton**

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences 8th Grade Ind. - \$150 & trophy
- \* Infosys Foundation Computer Science Awards --- 1st Place Middle School - \$200, Trophy
- \* Pepsico Engineering Awards --- 1st Place- Engineering Middle School- \$200 & trophy
- \* Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac U. - MS Student in Computing
- \* Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- \* IEEE William R. Wessman Awards --- \$100 Honorable Mention
- \* Society of Women Engineers - Hartford Section --- Scientific Calculator
- \* National Center for Inquiry Learning --- Daniel & Maggie Award for Imagination - MS \$100

**South Windsor** South Windsor High School Danel Eitel

6047 PS OatNET: Novel Neural Network architecture & mathematical model for reducing Dense Layer computational complexity via ternary weight decomposition & rank-1 magnitude approximation.

**Award** Student(s) **Karthik Srikumar** Grade 10 Town **South Windsor**

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences Senior High Individual - \$200 & Plaque
- \* Connecticut Science Fair Association Mathematics Awards --- High School Finalist - Medallion
- \* Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion
- \* Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac U. - HS Student in Computing
- \* Maplesoft Awards for Applied Mathematics and Modeling --- Maple software, , gift packs, & T-shirt - For Excellence in Mathematics



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**Kent** Kent School [ ZIHAO DU ]  
 [ 6100 ] [ PS ] [ Three-Support Lower-Limb Exoskeleton Device Integrating Multifunctionality and Feedback Mechanisms ]

**Award** **Student(s)** OliviaLu Feng **Grade** 11 **Town** Guangzhou, China

- \* Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- \* Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac U. - HS Student in Engineering
- \* IEEE William R. Wessman Awards --- \$250 Honors Award -Senior
- \* Zepke Awards --- \$150 - For the Best Use of Electronic Circuitry- Senior High