



Connecticut Science & Engineering Fair

Quinnipiac University

March 8 - 20, 2021

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

Computer Science Awards

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

Middle School

5002	P7	A Covid-19 Social Distancing Device Using a PIR Motion Sensor and a US-100 Ultrasonic Distance Sensor
Award	1	Student(s) Suchita Srinivasan Grade 7 Town Cheshire, CT

- * Lockheed Martin Physical Sciences Awards --- 2nd Place- Physical Sciences 7th Grade Ind. - \$100 & plaque
- * Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- Middle Schools- \$100 / plaque
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- * Computer Science Awards --- 1st Place Middle School - \$300, plaque
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF
- * American Society of Safety Professionals, CT Valley Chapter --- \$100 grade 7-8 project
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * Robert Francoeur Memorial Award --- Creative or innovative project in engineering or computer science by female students - \$200
- * Zepke Awards --- \$100 - For the Best Use of Electronic Circuitry- Middle School
- * Broadcom MASTERS --- Invitation to compete in Broadcom MASTERS

5008	P7	Remote Learning on a Budget
Award	2	Student(s) Joseph Benin Grade 7 Town Pawcatuck

- * Lockheed Martin Physical Sciences Awards --- 5th Place- Physical Sciences 7th Grade Individual - plaque
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- * Computer Science Awards --- 2nd Place Middle School - \$200, plaque
- * IEEE, Connecticut Section --- \$250 Honors Award -Junior
- * Susan and Stanley Lessoff Memorial Award --- Susan and Stanley Lessoff Memorial Award - \$250 Cash and Plaque MS

High School

6087	PS	The Hat and the Mouse: A Practical Hands-Free Method to Control a Personal Computer
Award	1	Student(s) Payton Noe Grade 10 Town East Lyme

- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- High School \$500 / plaque
- * Computer Science Awards --- 1st Place High School - \$400, Plaque
- * Collins Aerospace Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Raytheon Corporation Awards --- \$500, Plaque
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift card given by ONR
- * Dreams Unlimited Award --- \$100 Cash Award + Certificate to each student



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6076 PS Developing Tetherless Motion Tracking System for Wandering Insects Using an Omni-directional Servosphere Robot
Award 2 Student(s) Nicholas Lee Grade 10 Town Trumbull

- * Lockheed Martin Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
- * Mathematics Awards - with ATOMIC --- 2nd Place High School- \$300 and Plaque
- * Computer Science Awards --- 2nd Place High School - \$300, Plaque
- * Collins Aerospace Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Raytheon Corporation Awards --- \$500, Plaque
- * IEEE, Connecticut Section --- \$100 Honorable Mention

6061 PS Creating an Algorithm that Automatically Scores Tissue Images Like a Pathologist
Award 3 Student(s) Iris Yan Grade 9 Town Woodbridge

- * Computer Science Awards --- 3rd Place High School- \$200, Plaque

6078 PS Development of a Novel Classification Model to Determine Vegetation Habitability of Exoplanet Atmospheres Via Random Forest Machine Learning Algorithms.
Award m Student(s) Joseph Gottlieb Grade 12 Town Stratford

- * Lockheed Martin Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
- * CASE • The Jackson Laboratory Urban School Challenge Awards --- 5th Place High School - Plaque, Medallion
- * Computer Science Awards --- Senior High Finalist - Medallion
- * Raytheon Corporation Awards --- \$500, Plaque

6047 PS Artificial Intelligence Medical Question-answering Robot
Award m Student(s) Yiya Qi Grade 11 Town China

- * Computer Science Awards --- Senior High Finalist - Medallion

6079 PS Utilizing Machine learning to Analyze Twitter posts and Predict the Election Outcome
Award m Student(s) Shriya Jonnalagadda Grade 9 Town Danbury

- * Computer Science Awards --- Senior High Finalist - Medallion
- * Susan and Stanley Lessoff Memorial Award --- Susan and Stanley Lessoff Memorial Award - \$250 Cash and Plaque HS

6075 PS Wildlife Recognition from Camera Trap Data using Computer Vision Algorithms
Award m Student(s) Yuanqin (Albert) Dai Grade 11 Town Newton

- * Computer Science Awards --- Senior High Finalist - Medallion
- * Kathleen & David Smith Awards --- Kathleen & David Smith Award for Innovative Concept - \$100



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3007 LS Genes Dysregulated in Obesity Increase the Likelihood of Breast Cancer Development

Award m Student(s) Jacob Boyar Grade 12 Town Ridgefield

* Computer Science Awards --- Senior High Finalist - Medallion

3108 LS Using Virtual Screening to Identify Drug Candidates to Target SARS-CoV-2

Award m Student(s) Luke Audie Grade 11 Town Cheshire

* Computer Science Awards --- Senior High Finalist - Medallion