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LOS ALTOS ACADEMY OF ENGINEERING

Building a cleaner, more fuel efficient tomorrow

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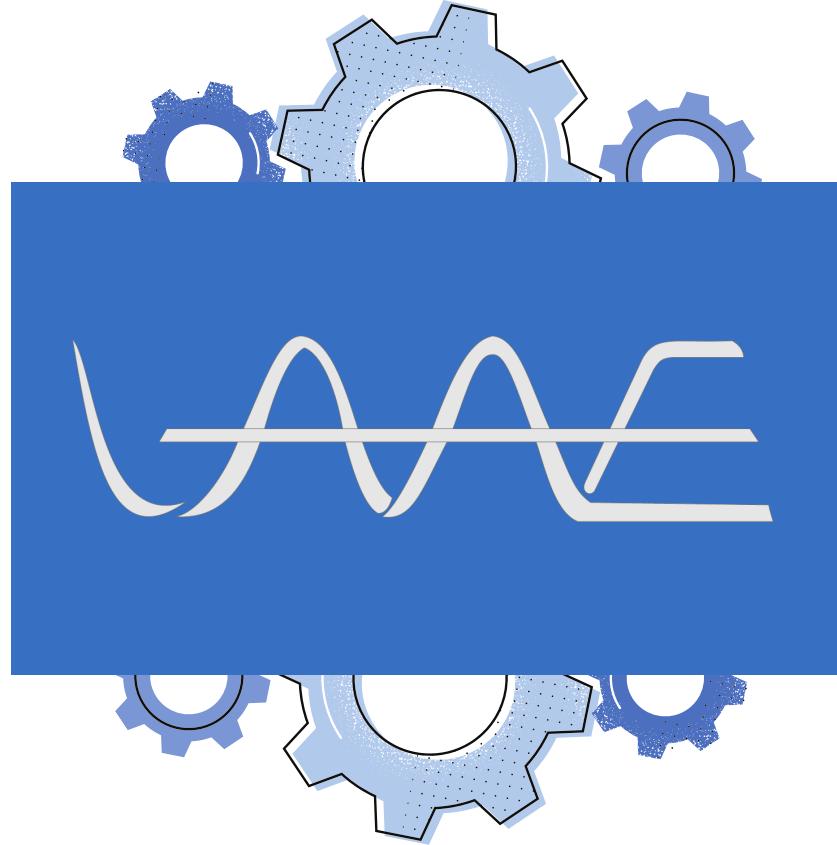


Table of Contents

Aspiring Coders of the Congressional App Challenge...	2
The Restoration of the LAAE Website.....	4
Sponsors.....	6

ASPIRING CODERS OF THE CONGRESSIONAL APP CHALLENGE

By H. C. Yoon

The Congressional App Challenge is a competition hosted by the U.S. House of Representatives for students in middle and high school. The goal is to encourage young people to learn coding to inspire them to pursue careers in Computer Science. Separated into two groups, the I.T. team took on the challenge to create and submit their original apps for the chance to win the Congressional App Challenge.

Both groups used a free block-coding software called Thunkable, a prototyping platform that allows students to learn and apply programming through building apps and websites. First-time users of Thunkable, both groups had to learn how to use this program to code their desired product.

One group consisting of Senior Jonathan Loeza, Junior Alexander Hernandez, and Sophomore Grayden Eriksen, created "Bulletin." Hernandez notes, "School-oriented apps already exist, but fail to accommodate all of a school's communities. Our school especially suffers from this." Information regarding extracurriculars and events are spread thin, reducing the likelihood of the information being noticed by target audiences. As a result, Loeza, Hernandez, and Eriksen presented a solution through Bulletin that aimed to bring the online presence of a school and its communities into one place. This app provides features where users can post the details of events, allowing them to create, join, and customize communities. As an accessible digital bulletin board, Bulletin quickly delivers school news to students.

Bulletin 

The academy's other group consisting of Senior Hana Chloe Yoon and Juniors Alison Guan and Fionina Tung, created "WhereAware." With today's lack of information on hospital costs, insurance coverage, and rising expenses, individuals struggle to find affordable yet efficient types of treatments. WhereAware tackles financial challenges and hospital debt by providing consumers accessible information about their treatments, hospitals, and insurance carriers. This app provides multiple features that consist of a search bar for medical conditions and a map to show nearby hospitals in their preferred location. Ultimately, WhereAware strives to inform individuals with possibilities that best suits their needs, as Tung says, "We cater to the general public to offer a variety of alternatives, allowing them to choose the best possible option for their health and financial status."



At the thirty-sixth district Award Ceremony on November 1, 2022, Yoon, Guan, and Tung received the Congressional App Challenge Best Team App Award. Out of 192 participating teams, the WhereAware group received their award by Congresswoman Young Kim.

THE RESTORATION OF THE LAAE WEBSITE

By A. Guan and F. Tung



Due to confusing information and an outdated formating of the old website, the I.T. team decided that it was time to rebuild the website. The project was started by, Nathaniel Stantella in the fall of 2021. Prior to graduating, he has taught team members how to complete the modern revision on the website. Updates are consistently applied to ensure the accuracy of the information presented.

The Los Altos Academy of Engineering's Website, lasv.org, was created in 1998 and restored in the Spring of 2022. Since the late nineteen nineties, it has served as documentation of the program's projects, achievements, and history. In addition, it is an information center that is used to display information on existing members and what the program has to offer. Lasv.org is the product of constant maintenance and the hard work of the Information Technology (I.T.) team.



WHAT IS LAAE ABOUT?

The Los Altos Academy of Engineering's program is a student-run organization that offers opportunities to high school students to explore career paths through education, training in vocational and business skills, hands-on learning, and exposure to engineering and technology.



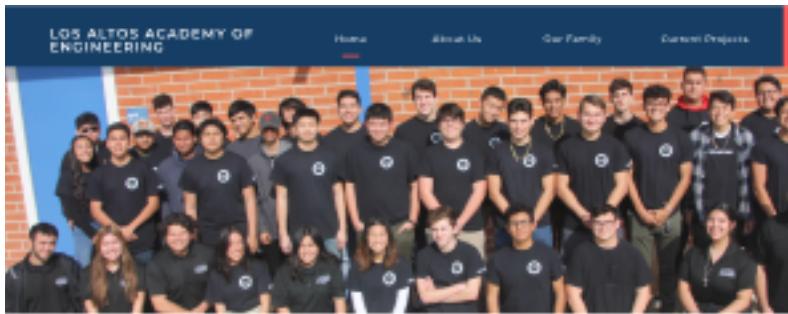
STUDENTS OF LAAE

Making waves since 1998, many have been over 3000 graduates students, a role in the Bay Area's industry, in engineering, law, and business, and most importantly, we've given students a voice in their community, so that on graduation, in addition, many of our students have gone on to prestigious universities, large corporations, and established a name for themselves in the engineering industry.



WHAT WE OFFER AT LAAE?

Our students have the opportunity to work with various clubs, teams, and organizations such as the Robotics team, which competes in regional competitions. From solar and electric power cars to hovercrafts and zeppelins, students can team up to design and complete unique projects.



STUDENTS

The Los Altos Academy of Engineering is made up of a diverse group of students that each take part in the various fields of engineering that we offer.



MECHANICAL



ELECTRICAL



COMPOS



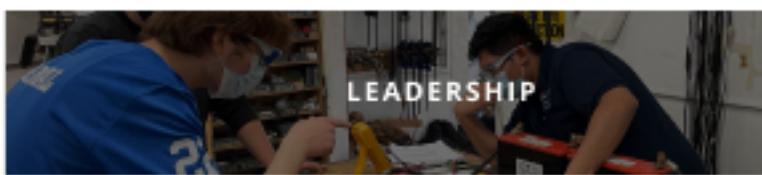
Design



INFORMATION TECH



PUBLIC RELATI



LEADERSHIP

This year, the I.T. team is updating all the current events that LAAE is participating in. Furthermore, the team is building individual pages for our "Legacy Vehicles." There will also be a current update on all the students in the engineering academy, with a feature of each team- mechanical, electrical, composites, design, information technology, and public relations, and team leaders.

The biggest struggle the team is currently facing is the lack of easily accessible information and photos about many of the historical vehicles listed on the website. Collectively, the team has put in hours of online digging through old archives and contacting past alumni and instructors to provide the most accurate information and visuals for the present website.

When asked about the meaning of the website to the program, I.T. team leader, Alison Guan, states, "I think it is a nice way to present all the past and present competitions that each student has put so much time and effort into. I believe that by showcasing our academy, it reflects how much this means to all of the students and that we are willing to take on new challenges."

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