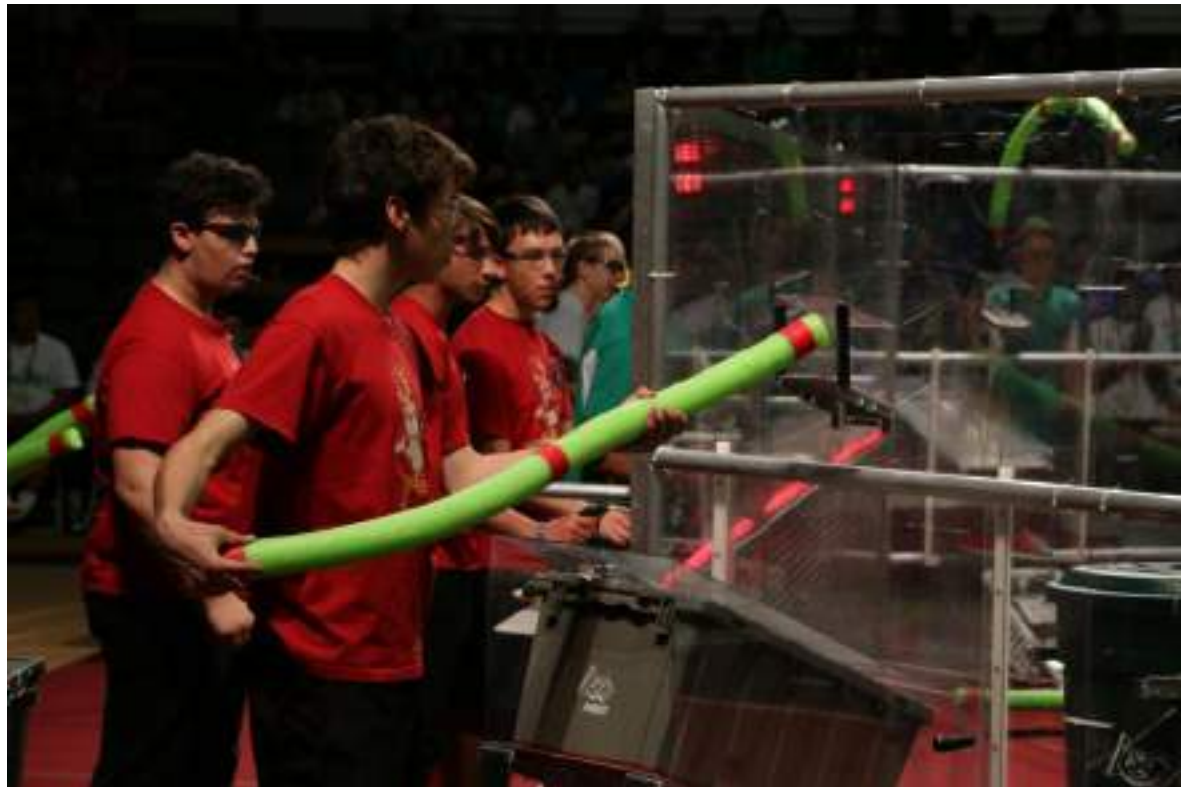


# FRC TEAM 3501: FREMONT HIGH FIREBOTS



2014-2015  
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# TEAM MEMBERS

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## Student Leads

CEO:	Sitar Harel	
Vice Presidents:	Annam Quraishi Daniel Zhang Harel Dor John Lin	Logan Howard Kenny Nguyen Rajat Walia Rishab Kedia

## Mentors

Lead Mentors:	Sohini Stone	David Dobervich
Mentors:	Jason Barbeau Sean Stone Pushpak Bapat Lenore Edman Max Lanfranconi Albert "Al" Howard Aparna Bhargava Susan Howard Sriram Sundararajan Ashwin Kannan Ann Gui	Marveric Sanidad Daniel Watson Windell Oskay Harsh Deshmane Jay Harel Ravi Ichapurapu Hersh Bhargava Riley Howard Madhuri Ramanathan Priya Prasad Clayton Ou
Junior Mentors:	Johnny Nguyen	Allen Chan

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# CENTRAL VALLEY REGIONAL

The Firebots did extremely well at the Central Valley Regional in Madera, California. Unlike previous years, the robot reliably worked through every match and did not experience any mechanical, electrical, or software failures.

Using a strategy of creating coopertition stacks, the team finished the qualifications with an average score of 56.20 per match, ranking 11th overall. However, the team became the 7th alliance captain and formed an alliance with FRC Team 649, MSET Robotics from Saratoga, and FRC Team 2073, EagleForce from Elk Grove.

The alliance entered their first playoff match strong, earning themselves 70 points. Yet, luck was unfortunately not on their side. A combination of sheer misfortune and badly mistimed stacks led to the netting of a mere 10 points in their subsequent playoff match. Yet, despite those unfortunate circumstances, all teams still competed excellently, and received the designation of **Quarterfinalist** at Central Valley Regional. The Fremont High Firebots also received the honor of being selected as an **Industrial Safety Award Finalist** thanks to the efforts of our Safety Captain, Annam!



# CENTRAL VALLEY REGIONAL (CONT.)

## Match Results

	ALLIANCES			SCORES
Qualification Match 6	4543	751	4643	52
	3501	3925	256	40
Qualification Match 13	751	3501	841	48
	1323	670	254	153
Qualification Match 22	3501	2429	4711	67
	3970	701	1967	131
Qualification Match 28	2429	1662	1671	64
	3482	692	3501	22
Qualification Match 40	4135	3255	5529	26
	3501	5134	1678	99
Qualification Match 48	4255	840	4711	0
	2543	3501	8	33
Qualification Match 54	2102	2367	4973	60
	3501	1351	2839	55
Qualification Match 60	3925	3120	1967	32
	3501	4643	2637	50
Qualification Match 73	3881	2102	3501	78
	2543	295	670	102
Qualification Match 80	3501	3495	4183	70
	4711	3482	2073	73
Quarterfinal Match 3	2102	701	1662	120
	2073	3501	649	70
Quarterfinal Match 8	254	1678	1323	169
	2073	3501	649	10

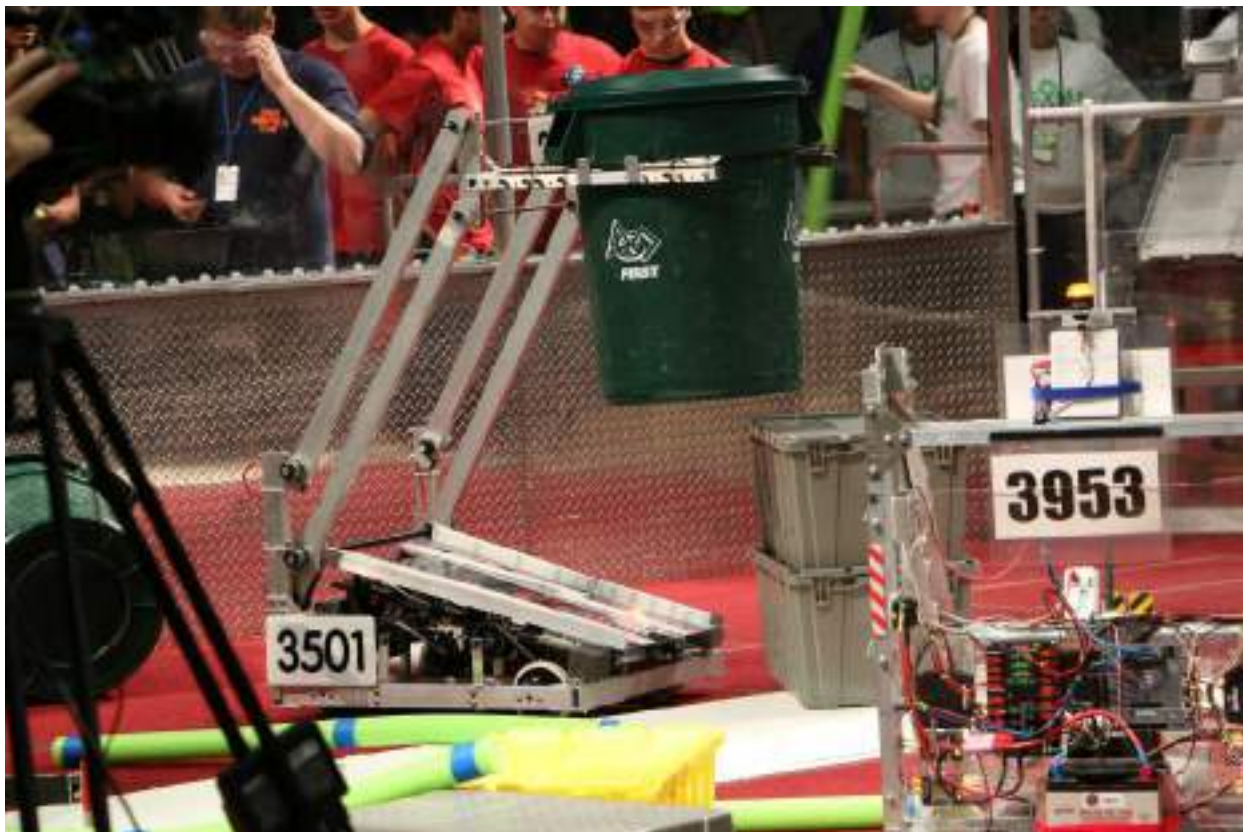


# VENTURA REGIONAL

The Firebots saw continued success at the Ventura Regional in Ventura, California. During the three week span between the two competitions, the team worked vigorously to improve their robot and adapt its strategy. This energy greatly paid off, as the robot remained a formidable opponent entering the competition.

With a revised strategy of creating stacks of 2 totes with recycling cans filled with litter on top, the team finished the qualifications with an average score of 72.58 per match, again ranking 11th overall. Just like at CVR, the team became the 7th alliance captain and formed an alliance with FRC Team 1515, MorTorq from Beverly Hills, and FRC Team 207, the Metalcrafters from Hawthorne.

Although the alliance competed well, scoring 86 in their first playoff match and 55 in their second, they were unable to advance to the semifinals. The three teams received the designation of **Quarterfinalist** at Ventura Regional. 2015 marked the first year in team history that the Firebots not only were in the playoffs at both of their regionals, but were alliance captains as well! Once again, the Fremont High Firebots also received the honor of being selected as an **Industrial Safety Award Finalist!**



# VENTURA REGIONAL (CONT.)

## Match Results

	ALLIANCES			SCORES
Qualification Match 4	1717	4711	399	148
	3501	1266	4413	96
Qualification Match 9	3501	3953	980	36
	5137	2761	4413	34
Qualification Match 18	4964	3120	3993	20
	2429	3027	3501	62
Qualification Match 24	981	3501	3970	76
	980	1323	1159	22
Qualification Match 29	3993	4201	3501	50
	599	3970	1458	61
Qualification Match 39	3863	5137	5678	20
	3925	399	3501	52
Qualification Match 42	2339	3120	4201	90
	3501	4276	5678	54
Qualification Match 55	3501	5529	3512	94
	4	1323	696	110
Qualification Match 60	691	1515	2429	82
	1758	3501	1717	128
Qualification Match 66	4619	1836	589	114
	1323	330	3501	72
Qualification Match 76	3501	3120	207	68
	3512	4964	1266	84
Qualification Match 80	3501	5137	1388	83
	1759	589	4276	78
Quarterfinal Match 3	4201	3512	3970	110
	207	3501	1515	86
Quarterfinal Match 8	1717	330	2761	172
	207	3501	1515	55

# HOPPER DIVISION

At the 2015 World Championships, Team 3501 was honored to compete with the best teams in the entire world. Although the team did not make it to the elimination rounds, they greatly enjoyed our time at the competition!

In the Hopper Division, the team was rank 51 and had an average score of 115.70. This average score did not reflect the team's huge range of scores: the team's alliances scored a low of 38 points and a high of 221 points. Likewise, the team's rank varied wildly throughout the competition- from a low of 71st place to a high of 35th place.

This concluded our competition season. Overall, our team did extremely well compared to last year. We were alliance captain at both regionals, and our robot performed reliably and suffered much fewer mechanical/electrical issues compared to last year. Here's to an even better competition season next year!





# HOPPER DIVISION (CONT.)

## Match Results

	ALLIANCES			SCORES
Qualification Match 5	2512	1533	5509	94
	5428	2530	3501	35
Qualification Match 17	2228	4329	2609	118
	3501	2183	548	172
Qualification Match 29	3620	3501	343	98
	573	1218	2183	156
Qualification Match 43	4799	1746	811	70
	3098	3501	3042	129
Qualification Match 55	166	2590	3501	160
	4405	4550	5118	80
Qualification Match 71	3501	1391	4362	148
	2826	1723	103	256
Qualification Match 86	3688	3620	5024	42
	4799	2500	3501	38
Qualification Match 97	3501	4930	2169	77
	125	1124	987	228
Qualification Match 106	3501	4731	2783	79
	2531	33	5318	134
Qualification Match 118	3735	3939	4486	86
	3501	5015	2826	221

