

Inside This Issue

The Authors
..... Page 1

Cooler Master Bot
..... Page 2

VEX Kickoff
..... Page 2

The Executives
..... Page 3

Discovery Cube
..... Page 4

NED / Pixy
..... Page 4

Remember The Seniors
..... Page 5

Until Next Year
..... Page 6

THE AUTHORS

With every passing year new Public Relations (PR) executives are elected for the following year. The PR executives are in charge of designing the newsletter and writing articles for the newsletter as well as other things. Carleton Zhao and Juyeong Lee were recently elected as the team's PR executives for the 2016-2017 school year.

Carleton Zhao

I joined the Robodox during my sophomore year. Initially I was a CADer for the team, but then I found my place in programming. I decided to apprentice under the current public relations executives which brought me into writing articles for the newsletter. During my second year on the team I continued to apprentice for public relations. I was finally elected to be one of two public relations executives for next year.

Juyeong Lee

I joined the Robodox on my sophomore year just like Carleton. I was working with VEX and programming for VEX, but now I am fully dedicated to programming. I have been an apprentice for two years, usually helping out with designing task for the team. Now, luckily, I am selected to become PR executive. Thank you so much, and I will do my best as PR exec for next year!

Our Coaches



Mr. Beal



Mr. Cyr

"Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important"

- Bill Gates

COOLER MASTER BOT

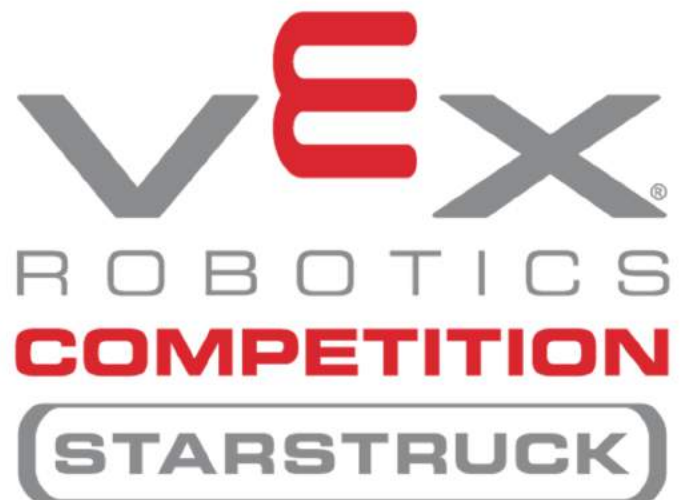
Whether you have heard it or not, Cooler Master had been supporting our team and supplying us with great computer gear. So, to show our gratitude, the Robodox are making a robot for Cooler Master. The Cooler Master robot is made in order to deliver the desktop cases to the gamers who are attending gaming competition at Taipei, Taiwan. The robot was mainly developed by Sam Dobry, Anthony, and Mr. Beal for overall design and manufacturing, Uyen, and Neha for electronics, and Amy, Sam fishbach, and Carlton for programming. The robot was intended to be team's first attempt to use microduino to establish communications between a mini-joystick and the robot. However, due to lack of experience and time constraint, the team had to choose an alternative way of using a VEX key and controller instead. The robot was successfully made, sent to Cooler Master, and it will be performing its task at Taipei soon.



VEX KICKOFF

You have all heard of a FRC kickoff, but have you heard of a VEX kickoff? This year the Robodox did just that. The team gathered in K2 on April 25 to plan for the 2016 VEX Robotics Competition game, Starstruck. As any VEX game, Starstruck is played on 12 foot by 12 foot square field. This year's game pieces are foam stars and pillow like cubes. The goal is to have the robots throw these pieces over a fence; these pieces will land either in the near or far zone which will allow teams to score points. The end game is to scale a pole located in the corner of the field.

After watching the introduction video for the game, Ian and Shruti, next year's VEX team captains, split the team up into smaller groups to strategize. Students, parents, and mentors chimed in with great ideas. They also debated and discussed topics in the rule book. The clarification of these rules helped everyone understand the game much better. As strategies for the autonomous and teleoperated periods were thrown around the room, Ian and Shruti put them on the Smartboard. The hardest part was planning for robot design because of this year's abnormally shaped game pieces. Excited for this VEX season, the Robodox met each challenge with confidence.



THE EXECUTIVES

On April 28th, 2016, the Robodex held elections for executive this upcoming year - Presidents, Public Relation (a.k.a. PR), Events, Outreach, Treasury, and Operations (previous known as Shop & Safety). Out of six branches, PR, Treasury, and Events had 2 candidates for each position, and hence all candidates qualified as executives. For other three branches, after very competitive and close vote difference, all executive were chosen.

In representation of the new executive, the new PR executive has interviewed the new presidents. What are the visions that you have for the team next year?

Sam

Dobry: I envision the largest grossing year yet for the Robodex focusing financial side of robotics will allow us to get to the next level. Along with that we plan to have the most time during build season than ever before allowing us to make the best robots that we can make.

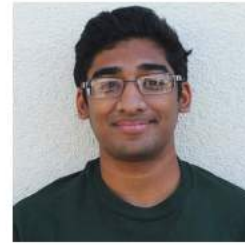
Inkiad: The team next year will be the best year yet. The seniors have given us their knowledge and all we can do is build on it and take the team to new heights by being more efficient and creative.

With great executive this upcoming year, it is hard to wait for next year and achievement that they will cultivate!



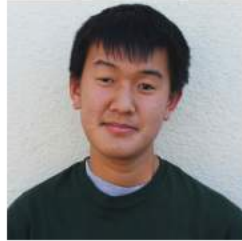
Samuel Dobry

President



Inkiad Ahmed

President



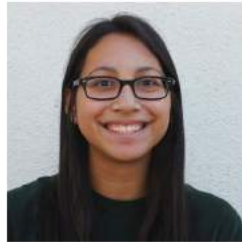
Carleton Zhao

Public Relations



Juyeong Lee

Public Relations



Amy Contreras

Outreach



Neha Adhlakha

Outreach



Jenna Mattinson

Events



Carmina Delos Santos

Events



Grace Zhao

Operations



Andrew Petrak

Operations



Tanvi Kharkar

Treasury



Alexis Bui

Treasury

DISCOVERY CUBE

On May 14, six Robodox team members gathered at K2. They were on their way to Discovery Cube, Los Angeles, to demonstrate the Neonatologist. At Discovery Cube, kids can learn about STEM through fun and interactive ways. As they were unpacking and setting up the team realized that the robot would not fit through the door. The robot had to be turned on its side in order to get into the building. The team set up several tables to place brochures and the various awards they had won over the years. Along with the Robodox, the Thunder Bots, NOHO Robo and several other teams were at Discovery Cube to demonstrate the work they had accomplished this past year.

Discovery Cube opened to the public and adults, teens, and kids came in to talk to the team about the Neonatologist. The kids played catch with the robot while members discussed with adults how the robot worked. Overall all the members enjoyed the experience at Discovery Cube.



Congressman Tony Cardenas catching a ball from Neo, the team's 2016 FRC robot

Bottom: Robodox team members with Neo, their 2016 FRC robot



PIXY

Pixy is a highly advanced vision tracking camera which was developed by Charmed Labs. The Pixy camera can be trained to recognize multiple objects in one frame. Recently Charmed Labs announced that the Pixy will soon be able to recognize faces. The Robodox programmers have been developing code for the Pixy to use on FRC robots. With this code, teams will be able to recognize reflective tape, game pieces, and other objects.



NED

When the LAPD's Narcotics Enforcement Division (NED) division goes to clear out a house, they must put themselves in dangerous situations. The NED robot is built to do this for them. Instead of putting human lives in danger, a replaceable robot could be sent in instead. The NED robot will be able to climb over objects twice its height, relay a live video feed back to the controller, be controlled wirelessly by a remote control, and grab and store objects. Currently the NED robot is still in the development stages where the Robodox's designers are testing out designs to climb over obstacles.

REMEMBER THE SENIORS



As we move on from Robodex we do not just lose our friends but also our family, community, teachers, and home. We lose those places that we cherish most like the Northridge Mall where we went shopping with our friends or the park where we experienced our first social. To think that we will never go back to the time and place where we were the mascot running around, or in the driver station driving the robot, or even in the stands scouting, is hard to accept. But, we will keep these memories and experiences with us as we go through college. So, to the seniors of 2016, hope to see you again, soon.

UNTIL NEXT YEAR

We want to thank all students, alumni, parents, and mentors for their hard work throughout this year. We want to thank our coach Mr. Cyr and Mr. Beal for doing such a great job on their first year of coaching. We sincerely hope for a nice summer break for everyone! We will see you again next September!

O L Z F L P J K R J X M T L C A S L E W J F Y M G E U A H F
D N G V E Y O F H T M S Q Q C N S F L N Z M Z E I T W N Q C
G O B G U T P T F N I C C Q N I U P I J E N N A Y H R H I F
J R W O M T O J A G Y E Y N Z M A T Z J Y W H T W A W D V B
L F P V A A S L O C G I L O F R V A A M E L I T A N L R N H
N U L U S A Y L A T B Y S Y T A K X B Y H L B Z A V K P E O
M U O K R D O T N U O T W D Q C O V E M C V I J S I Z I Y D
F Z M A M T I B D C I A O B L A U E T E A J U K F M U T U N
T M H D A B N H R O N G D H Y G K C H X O F V N G O J C E X
H N C N E Q M P E U O J E X E Z A N Y L T I A K H H A B Y H
G L O E Q G I S W W P P Z I R K A A Y K R S O K E R R D V V
O E H S R E H V E O M E V F R K C M W T N A F M L G O A Q N
N F O X N K C O N G W Y M M Q Q O U I F S M E E U D B T J U
R R Z T G I N Z R A P Q A U L P W E M C W Z T I Y G O B X C
Y I W A N J Y E W Z T V W P P T T V A E H O C U D G D G N L
B D L K E R V G L L G N R R E G O H S F N A G O Q H O R F I
D E I Q Y I M P R Y Q F X I L A A P X B R N E Q R P X T J Q
C A S Z L V D K X P I L F U W U H C J I O E B L B I B T P H
D Y P O O A A O J C U S W V Y K K M N E F R D O V C N Z K Y
F K T G J L S K E Y Y Q M M E N E M Y E X G T E M H E E X P
I L B M U W P U I N A B Y O Q O Q U B O X P P X S E Y F U Q
I T Q C F O T A Q W I I O W R I J S B G H A X Y B W E I H D
S I X E L A N V D M G M T Y R U K N Y O O C C W X Q I D D X
K J A H E N R Y C R D K S U N O K A H X G V T T M L K N Q O
H W G T O O A I A U Q X J A R L I I X M Z K F H N Y C I D P
K V E M V T Y C Z L Y S S F J H V R R I E A A C Z K T V K A
T D T T M X E Y B H K O U R X K S B P J T L I M M O A K Y I
L D A N T H O N Y E W Q J D D M C F G K A A Q V Y V L M W N
L N T V C H R I S T O P H E R R Q K G E N N E Y N M C U H O
C F V Q B Y F I U V P X W J W R A U B J L L T Z F N K N J W

ALEXIS	FOX	NEONATOLOGIST
AMY	FREDESWINDA	OLIVER
ANDREW	GRACE	OMEED
ANTHONY	HERSH	ROBODOX
BEAL	IAN	SAM
BRIAN	INKIAD	SAMUEL
CARLETON	JASMINE	SARAH
CARMINA	JENNA	SHRUTI
CHRISTOPHER	JOSE	TANVI
CORINE	JUYEONG	UYEN
CYR	KAITLYN	
DYLAN	MELITA	
ELIZABETH	MICHAEL	
ETHAN	NEHA	