



DEPTH 34

Walter Payton College Prep
MATE ROV Ranger 2019

LIST OF MEMBERS

Name	Project	New/Returning	Grade
Gabriel Cerda Menchaca	Buoyancy	New	9
Camila Cancino	Marketing	Returning	12
Emma Salzman	Frame	Returning	12
Elisabeth Fraser	Mini ROV	New	12
Francesca Turrinelli	Mini ROV	New	10
Junbin Huang	Head of Wiring	Returning	11
Jackson Zhang	Head of Engineering	Returning	11
Grace Liu	Marketing	New	12
Jerrick Tran	Marketing	New	12
Kate Ermentrout	CEO	Returning	12
Winston Ding	Wiring, Pilot	Returning	11
Ezra Danzig	Mini ROV, Buoyancy	New	9
Thomas Hoos	Head of Marketing	Returning	12
Chenjia Lin	Frame	Returning	12
Jacob Livni	Frame	New	10
Owen Sims	Frame, Buoyancy	New	10
Franklyn Wu	Design	New	11
Jalan Tapper	Frame	New	10

Company Specs and History

Company Name: Depth 34

School: Walter Payton College Prep

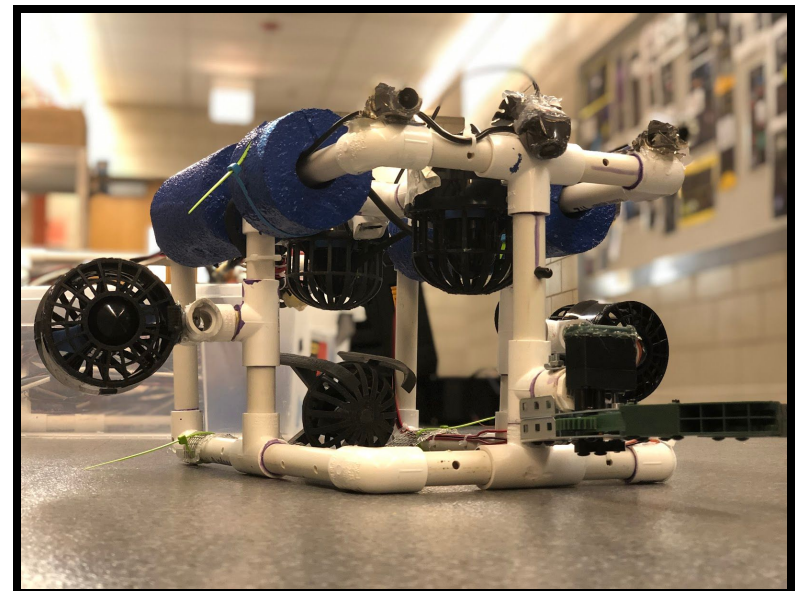
Location: Chicago, IL, USA

Distance to Competition:

935.03 kilometers

History of Competition:

- ❖ MATE 2019 Competition (International)
- ❖ MATE 2019 Competition (Regional)
- ❖ MATE 2018 Competition (Regional)
- ❖ MATE 2016 Competition (Regional)



ROV Specifications

Name: Walt-e Jr.

Total Cost: \$1250.00

Total Weight: 3.5 kg

Size: 16 cm x 16 cm x 16 cm

Total Student Hours: 700

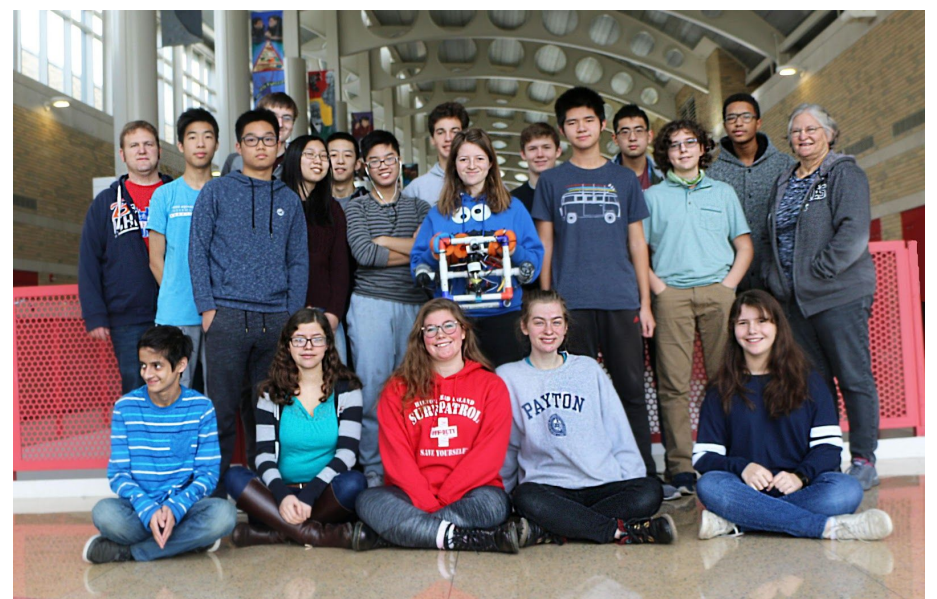
Safety Features:

- ❖ Shrouded motors
- ❖ Water-proofed with heat shrink, silicone gel, and hot glue
- ❖ Sharp edges are covered
- ❖ Strain relief
- ❖ Fuse (20 amps)

Special Features:

- ❖ Two cameras (claw and forward)
- ❖ Joystick
- ❖ Temperature sensor
- ❖ Modular frame
- ❖ Sensitive and strong claw

TEAM PHOTO



Top (Left to Right): Mr. Barge (Teacher), Thomas Hoos, Chenjia Lin, Jacob Livni, Owen Sims, Franklyn Wu, Jalan Tapper

Middle (Left to Right): Junbin Huang, Jackson Zhang, Grace Liu, Jerrick Tran, Kate Ermentrout, Winston Ding, Ezra Danzig, Mrs. Barge (Teacher)

Bottom (Left to Right): Gabriel Cerda Menchaca, Camila Cancino, Emma Salzman, Elisabeth Fraser, Francesca Turrinelli.

