

# Pasadena City College

## Octobots Specification Sheet 2025



### Company Info

#### **Location**

Pasadena City College  
Pasadena, CA, United States

**Traveled**  
3540 km

#### **Returning Team**

4th year participating in MATE ROV

### Team Members

#### **Mechanical Team**

Hyacinth Ang | Year 2  
Jonathan Beaton | Year 3  
Devon Li | Year 1  
Chansereyroth Bun | Year 2  
Trina Wan | Year 1  
Andrew Han | Year 1  
Michael Shiu | Year 1

#### **Electrical Team**

Robert Barnett | Year 1  
Rene Nunez | Year 4  
Yukun Zhang | Year 2  
Min Pyae Thway | Year 2  
Faith Hockens | Year 2

#### **Software Team**

Adam Gonzalez | Year 2  
Shin Htet Aung | Year 1  
Tao Tokikawa | Year 1  
Myra Interiano | Year 2

#### **Advisors**

Doug Foster  
Yu Chang-Chang Hou  
Jared Ashcroft

### Safety Features

#### **Custom 3D Printed Thruster Shrouds**

Protects the device and user from injury

#### **Bottom-Side Kellems Strain Relief**

Prevents cable damage and electrical failures

#### **Toggleable Thrust Power**

Offers controlled power management & protects device from overheating

### Special Features

#### **Integrated PS5 Controller**

Provides for friendly-user interface

#### **Object Detection**

Inspects the condition of underwater structures

#### **Translational Movement Claw Arm**

Provides additional mechanical freedom

#### **Adjustable Camera Angle**

Enhances underwater vision

### ROV Specs

#### **Dimensions**

Length: 66 cm  
Width: 46 cm  
Height: 37 cm

#### **Build Cost**

\$4170

#### **Mass**

11.5 kg

#### **Build Time**

600 hours