

## **Bo-Hui ‘Vivian’ Wang**

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### **Education**

**B.S.** in Mechanical Engineering, National Chiao Tung University

*Expected June 2022*

### **Research Knowledge/Experiences**

Robotics, Mechanical Design, Automatic Control Systems

### **Recent Projects and Professional Experiences**

ASME Taiwan SPDC, Student Design Competition

*March 2019*

### **Paper Submission**

An Heterogeneous UGV-Blimp Team to Overcome Visually and  
Communication Degraded Environments using Radio-based Sensing and  
Data-driven Autonomy

*Pending*

Trail-Following Guiding Robot with Off-Trail Recovery Framework and  
Multiple Feedback Assessment of Assistive Navigation for Blind and  
Visually Impaired People

*Pending*

### **Professional Skill**

#### **Programming Languages**

C/C++, python

#### **Mechanical Design**

Solidworks, AutoCAD, Working Model

#### **Middleware and Libraries**

Robotic Operating System (ROS), Moveit!

#### **Sensors and Hardware**

Depth Camera, Duckietown, Arduino, Raspberry Pi 3B+

#### **Machining Tools**

Drilling Machine, Shearing Machine, Lathe, Electric Welding,  
Argon Welding, Grinder, 3D Printer, Laser Marking, Laser Cutting