JORGEN WU

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Mechanical Engineering student studying at Purdue University. Experienced in robotics and mechanical design. Driven and self-motivated. Seeking an internship.

EDUCATION

2018 - 2022

B.S. MECHANICAL ENGINEERING, *PURDUE UNIVERSITY*

Minor: Economics
GPA: 3.87/4.0
Coursework: Thermodynamics, Measurement Systems, Circuit Analysis, Financial Management

EXPERIENCE

JULY – AUG 2019

INTERN, *GECKO ROBOTICS*

Created 3D models in SolidWorks / Cura, prototyped parts with 3D printers, repaired equipment

NOV 2015 – NOV 2016

LAB ASSISTANT, *MEDIA & PROCESS TECH. INC.*

Prepared carbon molecular sieve (CMS) bundles, tested permeability of CMS membranes for hydrogen separation, maintained test equipment

SKILLS

- SolidWorks, CATIA, CREO
- Python, Java, MATLAB, C, HTML, CSS
- 3D Printing technology
- Microsoft Office
- Adaptability to changing circumstances
- Stock trading

PROJECTS

G.E.A.R.S., *JAN – APRIL 2019*

- Developed navigation and mapping algorithms for autonomous maze traversal robot
- Created task list and schedule for project management, coordinated team efforts

MARS CARGO ROVER, *SEPT – DEC 2018*

- Designed a robot to follow a marked path, traverse terrain, and deliver cargo to specified position
- Wrote navigation software with rudimentary decision-making capabilities

TASKBOT, *JAN – MAY 2018*

- Led a team in designing a robot to traverse hazardous terrain and interact with environment
- Won first place at Pennsylvania Technology Student Association's State Level Conference

SOCCER ROBOTS, *JUNE – AUG 2017*

- Installed Bluetooth modules on Pololu 3Pi robots, wrote software to allow serial bus communication
- Assisted in development of computer vision and path generation algorithms