Parth Parekh

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EXPERIENCE

Houston Mechatronics   **Houston, TX**

Software Intern   *May 2019 - July 2019*

- Developed support software for robot interaction.
- Directly impacted brand influence by creating a 6DOF tracking system for a camera robot to follow the main robot around.
- Directly worked with ROS and ROS tools such as Gazebo and created a simulation environment with SITL principles.

Swarm Robotix   **Aurora, IL**

Software Team Lead & Engineer   *May. 2017 - July. 2018*

- Led a team of 25 Software engineers and implemented SCRUM
- Designed a scaling robotics communication platform to handle multiple high throughput clients on the same mesh network
- Created a systems patent for this robotics solution

EDUCATION

The Ohio State University | Bachelor of Science in Computer Science   Expected April. 2022

- GPA: 3.47/4.0
- *Minor in Autonomous Systems*
- *Specialization in Artificial Intelligence*

Extracurricular Activity

The Underwater Robotics Team at The Ohio State University   Aug, 2018 - Present

President-Elect(Current), Vice President, Software Team Lead, Software Team Member

- Writing fully autonomous task algorithms
- Helped Grow Software Team from 8 - 25
- Managed 25 Software Team members including PhD students
- Implemented SCRUM to increase productivity
- Implemented and taught build systems and CI
- Implemented and taught the use of Docker
- Increased market awareness and made connections with the University's Corporate Relations team
- Edited Team Videos for 2019-2020

Kappa Delta Rho at The Ohio State University   Aug, 2018 - Dec, 2019

Founding member

- Rebooted one of the founding chapters of the Fraternity
- Highest Chapter GPA on Campus in Fall/Spring 2018
- Created all communications systems and website for inter-chapter relations

SKILLS

Unix | Windows |Python | Android| JAVA |C++|C|Assembly x86|GDB Debugger| Linux|YoloV3/V4| Computer Vision | Controls | Machine Learning| Ruby | Ruby on Rails | Docker | Continuous Integration Systems (Jenkins/CircleCI/GitlabsCI) | Computer Networking