Aiden Park

Robotics Engineer Intern Atlanta, GA • (470) 555-0162 • aiden.park@email.com • linkedin.com/in/aidenpark

SKILLS

Python C++ ROS 2 Gazebo SolidWorks Linux PyTorch MATLAB 3D Printing Communication

EDUCATION

Bachelor of Science

05/2027

Georgia Institute of Technology

Atlanta, GA

Mechanical Engineering, Robotics Minor

CERTIFICATES

Certified SolidWorks Associate (CSWA)

Dassault Systemes

11/2024

SUMMARY

Robotics Engineer Intern and fourth-year mechanical engineering student at Georgia Tech, testing ROS 2 navigation and drive hardware for a warehouse robot company. Writes Python and C++, designs parts in SolidWorks, and has 2 years of hands-on robotics lab work with arms and cameras. Available for full-time robotics roles starting in summer 2027.

EXPERIENCE

Robotics Engineer Intern 08/2026 - Present

Peachtree Warehouse Robotics Atlanta, GA

Autonomous mobile robot maker with 300 robots in customer warehouses.

- Write Python test scripts for ROS 2 navigation that run **400** simulated missions every night in Gazebo.
- Build a C++ ROS 2 node that logs motor current and caught 3 failing drive modules before field failure.
- Design 5 LiDAR sensor mounts in SolidWorks and produce them by 3D printing for the test fleet upgrade.
- Analyze 2,000 docking attempts and identify a charger alignment issue, raising first-try docking from 88% to 95%.

Undergraduate Research Assistant 01/2025 - 07/2026

Georgia Institute of Technology Atlanta, GA

Robot manipulation lab in the Institute for Robotics and Intelligent Machines, studying learned grasping.

- Collected 50 hours of grasp data with a 7-DOF arm and depth camera for a grasp learning study.
- Trained a PyTorch grasp classifier that reached 87% success on unseen objects.
- Maintained Linux workstations, ROS environments and shared datasets for 8 graduate and undergraduate students.
- Built MATLAB scripts to calibrate the camera to the arm, cutting setup time from 2 hours to 20 minutes.