

Marcus Odera
Robotics Engineer
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Curriculum Vitae

Marcus Odera

Experience

- 2021–Present

- **Senior Robotics Engineer**, Halcyon Dynamics, Austin TX. Lead perception-stack development for a warehouse-navigation fleet; cut false-obstacle stops by 60% by retraining the depth-fusion model on in-house sensor logs.
- 2018–2021

- **Robotics Engineer**, Vantage Robotics, Denver CO. Built the motion-planning layer for a six-axis pick-and-place arm shipped to three automotive plants.

Earlier

- 2016–2018

- **Firmware Engineer**, Denver CO. Wrote the motor-control firmware for a line of consumer drones, later spun out as Vantage Robotics.

Education

- 2014–2016

- MSc in Robotics, University of Michigan. Thesis on visual-inertial odometry for legged robots.
- 2010–2014

- BSc in Mechanical Engineering, University of Colorado Boulder.

Skills

- Languages

- C++, Python, ROS2.
- Tools

- Gazebo, OpenCV, PCL, Git.
 - Comfortable presenting technical trade-offs to non-robotics stakeholders.