Programming Robots with ROS: A Practical Introduction to the Robot Operating System

Von Morgan Quigley, Brian Gerkey, William D. Smart
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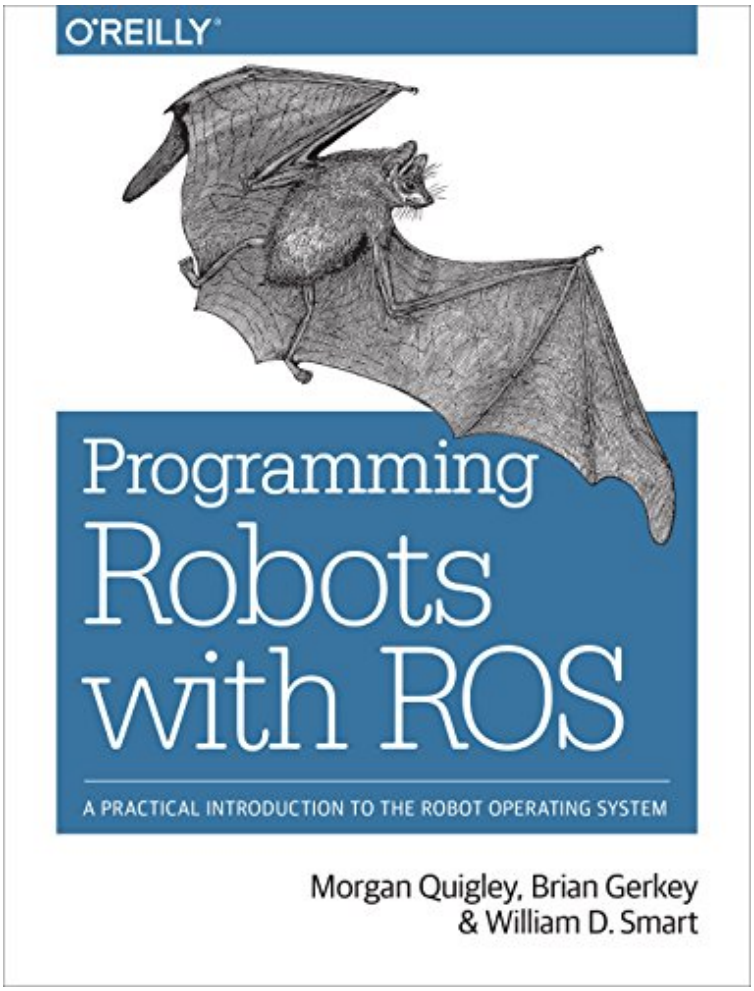

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Von Morgan Quigley, Brian Gerkey, William D. Smart : Programming Robots with ROS: A Practical Introduction to the Robot Operating System before purchasing it in order to gage whether or not it would be worth my time, and all praised Programming Robots with ROS: A Practical Introduction to the Robot Operating System:

KundenrezensionenHilfreichste Kundenrezensionen0 von 1 Kunden fanden die folgende Rezension hilfreich. Sehr gute, leicht nachvollziehbare Einfhrung ...Von Euler, Thomas... in dieses doch recht komplexe System. Es wird keine Hardware bentigt, um die Beispiele (im Simulator) nachzuvollziehen. Soweit ich das berblicke, werden die wichtigsten Komponenten von ROS berhrt.

KurzbeschreibungWant to develop novel robot applications, but dont know how to write a mapping or object-recognition system? Youre not alone, but youre certainly not without help. By combining real-world examples with valuable knowledge from the Robot Operating System (ROS) community, this practical book provides a set of motivating recipes for solving specific robotics use cases.Ideal for enthusiasts, from students in robotics clubs to professional robotics scientists and engineers, each recipe describes a complete solution using ROS open source libraries and tools. Youll learn how to complete tasks described in the recipes, as well as how to configure and recombine components for other tasks. If youre familiar with Python, youre ready to go.Learn fundamentals, including key ROS concepts, tools, and patternsProgram robots that perform an increasingly complex set of behaviors, using the powerful packages in ROSSee how to easily add perception and navigation abilities to your robotsIntegrate your own sensors, actuators, software libraries, and even a whole robot into the ROS ecosystemLearn tips and tricks for using ROS tools and community resources, debugging robot behavior, and using C++ in ROS