

# Let's Roll SPIKE - Self Driving Car

*by*

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## Synopsis

This ebook is an unofficial Lego Education SPIKE guide for building and programming a Self-Driving Car with a steering wheel. The first part presents the building instructions of the Self-Driving Car (we use only one Lego SPIKE Prime Educational kit). The specific model consists of two motors and a distance sensor. The large motor controls the forward and backward movement and the medium motor controls the steering wheel mechanism. The distance sensor adds intelligence to our project by checking the road for various obstacles as the car moves. The second part presents two different programming instructions of the Self-Driving Car. The first code is an avoid-the-obstacle procedure as the car moves straight on the road and the second code is a self-parking procedure. Demo video available: <https://youtu.be/i5YFeuTtwEc> Info: [www.devbots.eu](http://www.devbots.eu)

## Sort review

From School Library Journal PreS-Gr 3—This intimate picture book shares the true story of Golabek's mother, Lisa Jura, an Austrian Jewish refugee who survived the Holocaust and pursued her dream to become a concert pianist. The narrative begins in Vienna in 1938. Jura's piano teacher informed her that she could no longer take piano lessons because she was Jewish. Upon returning home, her parents explained the hatred of the Nazis for Jewish people. Her mother encouraged her to "hold on to your music. It will always be your best friend," which served as the touchstone for Jura's life. Possentini's pastel and gouache illustrations depict warm, realistic scenes of Jura traveling from Vienna to Britain on a Kindertransport train and finding refuge at Willesden Lane, which was a home for children who had left their families behind. Mrs. Cohen and the 32 other children supported Jura's musical ambitions and helped her land an audition at the Royal Academy of Music. Rich, engrossing art and precise storytelling accentuate scenes of Jura playing piano in the basement while bombs fall, and performing at her first concert. The history of Nazism, the Holocaust, and the lifesaving mission of the Kindertransport are deftly explained in the author's historical note. Pictures and artifacts, combined with the author's note about the inspiration she has always found in her mother's love of music, stand out. VERDICT A must-share snapshot of history that invites young readers to consider what they will hold on to when they face difficult times.—Jamie Winchell, *Percy Julian M.S.*, ILQ(c) Copyright 2011. Library Journals LLC, a wholly owned subsidiary of Media Source, Inc. No redistribution permitted. --This text refers to the hardcover edition. Review "A must-share snapshot of history that invites young readers to consider what they will hold on to when they face difficult times."—*School Library Journal* "[P]oignant and meaningful."—*Kirkus Reviews* "This book will work well in any classroom conversation about bravery in the face of discrimination and prejudice."—*School Library Connection* --This text refers to the hardcover edition. About the Author Mona Golabek is a Grammy-nominated recording artist, internationally celebrated

concert pianist, star of the one-woman show *The Pianist of Willesden Lane*, and author of *The Children of Willesden Lane*. She has traveled the globe sharing her mother's inspirational message. This story will soon be a major motion picture. Lee Cohen is a journalist, screenwriter, and poet. Emil Sher is an author and playwright living in Toronto. Sonia Possentini is a fine artist and illustrator living in Modena, Italy. --This text refers to an out of print or unavailable edition of this title. [Read more](#)

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