



Pi2 Raspberry Pi + Arduino for Young Engineers: Programming and Beginning Robotics (Paperback)

By Dr Gary E Sullivan

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm.

Language: English . Brand New Book ***** Print on Demand *****. Fully illustrated (monochrome) edition. Students of all ages (as young as 10, with guidance) can explore the world of computer programming, electronics, and robotics. Pi Squared - Raspberry Pi + Arduino for Young Engineers is written for teachers, students, mentors, volunteers, and hobbyists. It is for personal or classroom use, and it has been tested with summer STEM camps. There are 4 instructional levels in the curriculum, starting with beginning Scratch programming on the Raspberry Pi(r) and progressing to robotics with Arduino(r). Only minimal equipment is required in Level 1, and new equipment added in subsequent levels. The cost of materials is modest, and the student can purchase materials as they are needed. With its quad-core processor, 1GB memory and an under-\$35 price, the Raspberry Pi(r) is literally the educational PC for everyone. It's a ready-to-go educational system with preinstalled software, available within almost anyone's budget. Add the Arduino Uno(r) and a few electronics parts, motors, and hardware store items and you have an amazing educational computing and robotics system. Full color version...



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