

Arduino And Kinect Projects

Seymour Papert defined constructionism in a proposal to the National Science...

556395c2e3 Development-environment compatible 556395c2e3

Microsoft Robotics Developer Studio RDS also includes a simulated Kinect sensor. The Kinect sensor can be used on a robot in the RDS environment. by Microsoft. It requires a Microsoft Windows 7 operating system or later. The Kinect Services for RDS Microsoft Robotics Developer Studio (Microsoft RDS, MRDS) is a discontinued Windows-based environment for robot control and simulation that was aimed at academic, hobbyist, and commercial developers and handled a wide variety of robot hardware 556395c2e3

InMoov is a robot developed for artistic purposes by French sculptor Gaël Langevin in September 2011. (The first blueprint files were published in January 2012 on Thingiverse.) Its peculiarity is that it is reproducible with a simple 3D printer small format (12cm3) and its files are under Creative Commons license (CC-BY-NC). The project is a platform for development and robot learning. On this basis and through this concept there were developed different iterations. 556395c2e3 The platform accepts virtually all accessories designed for iRobot's second generation Roomba 400 Series domestic robots and can also be... 556395c2e3

InMoov robot, constructed out of 3D printable plastic body components, and controlled by Arduino microcontrollers. InMoov is a robot developed for artistic purposes InMoov is a humanoid robot, constructed out of 3D printable plastic body components, and controlled by Arduino microcontrollers 556395c2e3

RDS is based on Concurrency and Coordination Runtime (CCR): a .NET Framework-based concurrent library implementation for managing asynchronous parallel tasks. This technique involves using message-passing and a lightweight services-oriented runtime, Decentralized Software Services (DSS), which allows orchestrating multiple services to achieve complex behaviors. 556395c2e3

Constructionism (learning theory) school math and science education. Students learn through participation in project-based learning where they make connections between different ideas and areas of knowledge facilitated by the teacher through coaching rather than using lectures or step-by-step guidance. Further, constructionism holds that learning can happen most effectively when people are active in making tangible objects in the real world. Constructionism advocates student-centered, discovery learning where students use what they already know to acquire more knowledge. In this sense, constructionism is connected with experiential learning and builds on Jean Piaget's epistemological theory of constructivism. Physical Etoys is an extension of Etoys that allows to control different devices such as Lego NXT, Arduino Board, Sphero Constructionist learning is a theory of learning centred on mental models 556395c2e3

Arduino "shield" compatible 556395c2e3

List of Arduino boards and compatible systems It lists boards in these categories:. non-exhaustive list of Arduino boards and compatible systems. It lists boards in these categories: Released under the official Arduino name Arduino "shield" compatible This is a non-exhaustive list of Arduino boards and compatible systems 556395c2e3

London Hackspace London Hackspace hosts regular workshops for Biohacking, Lockpicking, Amateur radio and Hacking on London Hackspace (abbreviated LHS) is a non-profit hackerspace in London, UK, established in 2009. Originally located in Islington, it moved to Hoxton in July 2010, and later to Wembley. networked Arduino clone was developed at the space. In 2012, it was the largest hackerspace in the United Kingdom by

membership, with over 1000 paying members 556395c2e3

Index of robotics articles U. R. (Rossum's Universal Robots), published in 1920. Applications of artificial intelligence Applied science Archie Humanoid Robot Arduino Arizona State University Arm solution Armored Combat Engineer Robot Armoured Robotics is the branch of technology that deals with the design, construction, operation, structural disposition, manufacture and application of robots. Robotics is related to the sciences of electronics, engineering, mechanics, and software. The word "robot" was introduced to the public by Czech writer Karel Čapek in his play R. The term "robotics" was coined by Isaac Asimov in his 1941 science fiction short-story "Liar. " 556395c2e3

Ribo (robot) Ribo was first appeared in public on 11 December 2015 in a Science Fiction Festival held at the Public Library, Shahbag. Ribo uses Ribo is the first social humanoid robot which can speak in Bengali. The microphone array of the Kinect device was used as the sound source for 3D sound localization. microphone array with an RGB and depth camera. The team was supervised by Muhammed Zafar Iqbal. Ribo was created by RoboSUST, a robotics group of Shahjalal University of Science & Technology, Bangladesh. Bangladesh Science Fiction Society funded for making this humanoid robot Ribo 556395c2e3

iRobot Create The Create replaces its Roomba predecessor's vacuum cleaner hardware with a cargo bay that also houses a DB-9 port providing serial communication, digital input & output, analog input & output, and an electric power supply. The Create also has a 7-pin Mini-DIN serial port through which sensor data can be read and motor commands can be issued using the iRobot Roomba Open Interface (ROI) protocol. Due to the limitations in storage space and processing iRobot Create is a hobbyist robot manufactured by iRobot that was introduced in 2007 and based on their Roomba vacuum cleaning platform. The iRobot Create is explicitly designed for robotics development and improves the experience beyond simply hacking the Roomba. micro-controllers like Arduino and single-board computers like Raspberry Pi to provide additional processing power 556395c2e3

InMoov uses MyRobotLab software for control. MyRobotLab is an open source service based robotics framework. Its primarily written in Java, but has bindings for Python. It has a Web UI written in AngularJS... 556395c2e3

Adafruit Industries It was founded by Limor Fried in 2005. It also produces learning resources, including live and recorded videos about electronics, technology, and programming. This reward was increased to \$2,000 and then \$3,000 after Adafruit Industries is an open-source hardware company based in New York, United States. Microsoft's Kinect to make its motion-sensing capabilities available for use for other projects. The company designs, manufactures and sells electronics products, electronics components, tools, and accessories 556395c2e3

Features include: a visual programming tool, Microsoft Visual Programming Language (VPL) to create and debug robot applications, web... 556395c2e3 Where different from the Arduino base feature set, compatibility, features, and licensing details are included. 556395c2e3 Based on non-Atmel processors 556395c2e3 Released under the official Arduino name 556395c2e3

Comparison of single-board microcontrollers cc. Retrieved 23 January 2013. August 2013. cc. Arduino. 23 July - Comparison of Single-board microcontrollers excluding Single-board computers. Arduino. "Arduino ArduinoBoardLeonardo" "Arduino Blog-Massimo Introduces Arduino Leonardo" 556395c2e3

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