NANDLAND youtube videos

https://www.youtube.com/c/nandland

NANDLAND Project Videos 1-10

Nandland Go Board Project 1 - Switches and LEDs	https://www.youtube.com/watch?v=l_eo21vHxw0	1
Nandland Go Board Project 2 - The Look-Up Table (LUT)	https://www.youtube.com/watch?v=bps5v5OeJkA	2
Nandland Go Board Project 3 - The Flip-Flop (AKA Register)	https://www.youtube.com/watch?v=_7K-ty3Mffg	3
Nandland Go Board Project 4 - Debounce A Switch	https://www.youtube.com/watch?v=plGDQDyLDR0	4
Nandland Go Board Project 5 - Seven Segment Display	https://www.youtube.com/watch?v=iT9MVuIZFJ8	5
Nandland Go Board Project 6 - Simulating LEDs Blinking	https://www.youtube.com/watch?v=V-Kmj8T_Byg	6
Nandland Go Board Project 7 - UART Receiver	https://www.youtube.com/watch?v=Vh0KdoXaVgU	7
Nandland Go Board Project 8 - UART Transmitter (Loopback)	https://www.youtube.com/watch?v=Jy5jRhDqNss	8
Nandland Go Board Project 9 - Introduction to VGA	https://www.youtube.com/watch?v=7wjTJivsNMM	9
Nandland Go Board Project 10 - Pong! (On your VGA Monitor)	https://www.youtube.com/watch?v=sFgNpK4yQwQ	10

Other Nandland Videos

What is an FPGA? Intro for Beginners	https://www.youtube.com/watch?v=CfmlsDW3Z4c	11
What is a Flip-Flop? How are they used in FPGAs?	https://www.youtube.com/watch?v=lrXjuotxqzE	12
What is I2C, Basics for Beginners	https://www.youtube.com/watch?v=jFtr0Ha5f-c	13
What is a Clock in an FPGA?	https://www.youtube.com/watch?v=htwlb-DuEK8	14
The Go Board - The First FPGA Development Board You Should Buy	https://www.youtube.com/watch?v=fLua2urAuq0	15
What is SPI? Basics for beginners!	https://www.youtube.com/watch?v=ba0SQwjTQfw	16
What is a FIFO in an FPGA	https://www.youtube.com/watch?v=Nr8q5VW-mXI	17
Boolean Algebra And LUTs in FPGA	https://www.youtube.com/watch?v=Usoo2j2TQio	18
SPI Master and Ambient Light Sensor – Introduction	https://www.youtube.com/watch?v=0LpfuZ1wz2w	19
Introduction to Logic Gates on an FPGA: And, Or, Not, NAND,	https://www.youtube.com/watch?v=bp32ZYTY1uk	20
What is a Block RAM in an FPGA?	https://www.youtube.com/watch?v=fqUuvwl4QJA	21
Setup, Hold, Propagation Delay, Timing Errors, Metastability in FPGA	https://www.youtube.com/watch?v=2V41i4xVTZ8	22
SPI Master in FPGA, Verilog Code Example	https://www.youtube.com/watch?v=TR0Pw89EuGk	23
How SERDES works in an FPGA, high speed serial TX/RX for beginners	https://www.youtube.com/watch?v=3xZsTBEUkFI	24
My book Getting Started with FPGAs is NOW AVAILABLE!	https://www.youtube.com/watch?v=4UpMB9kNt0s	25
FPGA vs. Microcontroller: How to choose the right one for your project	https://www.youtube.com/watch?v=jblpHUCPQYs	26
How to fix Timing Errors in your FPGA design during Place and Route, meeting clock constraints	https://www.youtube.com/watch?v=uTzb4oNcIvQ	27
Live Coding of I2C Core in Verilog, learn FPGAs	https://www.youtube.com/watch?v=ZJpKK4dIH1k	28

SPI Master in FPGA, Verilog Testbench	https://www.youtube.com/watch?v=aRvbvjyDmag	29
FIRST FPGA Open Source Tools (IceStorm) - Nandland Go Board Tutorial	https://www.youtube.com/watch?v=P-9WCFi0p-0	30
SPI Master with Chip-Select, VHDL Testbench	https://www.youtube.com/watch?v=7o2qojThPuQ	31
What is a Latch in an FPGA?	https://www.youtube.com/watch?v=PHS8qEM3d9w	32
What is a UART in an FPGA? Basics of Serial Ports, COM Port, RS-232, RS-485	https://www.youtube.com/watch?v=sdVPO8rxWS0	33
FPGAs communicating over Bluetooth Demo. Send/receive ASCII data, make a transparent UART	https://www.youtube.com/watch?v=-SekDe9MvHo	34
Crossing Clock Domains in an FPGA	https://www.youtube.com/watch?v=eyNU6mn_-7g	35
Shift Register in FPGA - VHDL and Verilog Examples	https://www.youtube.com/watch?v=AEU9bvpzas8	36
SPI Master with Chip-Select in FPGA, Verilog Testbench	https://www.youtube.com/watch?v=Yla_LvePYJ4	37
How to Choose an FPGA for your design	https://www.youtube.com/watch?v=RnvVo8KNFW8	38
Nandland Go Board - Watch This When You Receive Your Board	https://www.youtube.com/watch?v=wWMIY9kjU0	39
VHDL vs. Verilog - Which Language Is Better for FPGA	https://www.youtube.com/watch?v=uvqTRhAWi58	40
SPI Master in FPGA, VHDL Code Example	https://www.youtube.com/watch?v=m1hFeAqQ-H8	41
Icestudio - Open source GUI for FPGA design and programming, visual drag-and-drop, no code required!	https://www.youtube.com/watch?v=pZWFmupcMTs	42
Example Interview Questions for a job in FPGA, VHDL, Verilog	https://www.youtube.com/watch?v=9U9R4IxIACs	43
iCEcube2 Installation and Overview	https://www.youtube.com/watch?v=nfB8-8JfVFE	44
FPGA Job Hunt - Jobs for people working with VHDL, Verilog, FPGA, ASIC. linkedin job hunt.	https://www.youtube.com/watch?v=mwyj5jKAh8U	45
SPI Master Demo - Ambient Light Sensor Project	https://www.youtube.com/watch?v=Uq-dVdUSJdc	46
How to read an ADC using an FPGA (halverscience)	https://www.youtube.com/watch?v=zSz09-Q3Urc	47
Half vs Full Duplex in FPGA & Tri-State Buffer Tutorial	https://www.youtube.com/watch?v=NyODT5psPOQ	48
SPI Master with Chip-Select in FPGA, Verilog Code Example	https://www.youtube.com/watch?v=VoGgkNcS880	49
SPI Master with Chip-Select in FPGA, VHDL Code	https://www.youtube.com/watch?v=4JKE_ihGo1g	50
How to Get A Job as An Engineer - The Resume	https://www.youtube.com/watch?v=ElvU4-MYFaE	51
Why I Hate Karnaugh Maps	https://www.youtube.com/watch?v=UKRjd2EOEAo	52
Inference vs Instantiation vs GUI tool in FPGA	https://www.youtube.com/watch?v=CVOK87wytWM	53
FPGA Math - Add, Subtract, Multiply, Divide - Signed vs. Unsigned	https://www.youtube.com/watch?v=ys1ftk5a2A4	54
My book Getting Started with FPGAs is NOW AVAILABLE!	https://www.youtube.com/watch?v=4UpMB9kNt0s&t=15s	55
iCEcube2 is free again! License policy changed back to support the FPGA community!	https://www.youtube.com/watch?v=YRQS047_FVM	56

An Overview of the youtube videos about the Nandland project from the Nandland website.
To be amended when there is time
I kindly received a GO BOARD from Russell, and I am now in the process to work through the data.
Juergen Pintaske, ExMark April 2025