

THE SOURCE

ISSUE 5
Space Invader

Cory Arcangel



2015

Arcangel Surfware

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Space Invader

46 Cory Arcangel, 2004

<http://www.coryarcangel.com>

Credz: Code by Alex Galloway of the Radical Software Group

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Requirements: Atari 2600, Space Invader cartridge, CRT television, 4K EEPROM, 2600 2K/4K PCB (Assembled w/Socket).

A mod of Atari game Space Invaders where all the invaders – except one – have been deleted.

56 "Everything bad that can happen to a person has happened to me" – Paris Hilton¹²

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00000000 85 2b a5 84 30 00 29 0f aa ca 10 fd b1 f8 aa b1 |+.0.).....|
00000010 ee 85 1b b1 f0 85 1c b1 f2 85 1b b1 f4 85 1c b1 |.....HhHh.|
00000020 f6 85 1b 8a 85 1c 85 1b c6 89 88 48 68 48 68 b1 |.....|
00000030 f8 aa b1 ee 85 1b b1 f0 85 1c b1 f2 85 1b b1 f4 |.....|
00000040 85 1c b1 f6 85 1b 8a 85 1c 85 1b a5 89 c9 04 90 |.....|
00000050 04 a9 00 b0 03 ea a9 02 8d 1f 00 88 10 ae c8 84 |.....|
00000060 1b 84 1c 84 2b 84 1b 84 1c 85 02 c6 89 a5 89 c9 |.+.+).....|
00000070 04 90 04 a9 00 b0 03 ea a9 02 85 1f a4 80 a5 02 |.....|
00000080 05 03 0a 30 06 ea ea ea 10 07 a5 82 19 dc fc |.0.).....|
00000090 85 82 85 2c 88 c6 8c 10 09 a9 00 85 25 85 26 4c |.,,.,,%.&L|
00000100 09 f1 20 e9 fd 84 80 b9 92 00 85 f8 a2 f4 46 fc |.....F.)...|
00000110 90 07 b9 d6 fc 65 8b d0 04 48 68 a9 00 95 fa e8 |.....e..Hh..|
00000120 e8 30 eb c6 89 a5 89 c9 04 90 04 a9 00 b0 03 ea |.0.).....|
00000130 a9 02 85 1f a5 c8 29 38 4a 4a 4a c5 80 d0 1b a5 |.....)8JJJ..|
00000140 c8 29 07 0a aa a5 c8 2a 2a 2a 29 03 a8 b9 1e fd |.).....**)..|
00000150 95 ee 4c fa f0 a2 05 ca 10 fd 85 2b 20 b2 fd a2 |.L.....+.|
00000160 06 ca 10 fd a0 09 4c 00 f0 c6 8e 30 06 20 b2 fd |.....L..0..|
00000170 4c 09 f1 24 98 70 03 4c b2 f1 a5 dd 85 06 a9 01 |.L.$..P.L....|
00000180 85 8e a9 00 85 ef 85 f1 85 02 85 b3 a5 ab 85 ee a9 b4 |.....|
00000190 85 f0 a9 bd 85 f2 a9 11 85 02 85 2b 85 f4 a5 85 |.....+.|
00000200 85 20 29 0f a8 88 10 fd 85 10 c6 89 a5 89 c9 04 |.....|
00000210 a9 02 90 01 4a 85 1f 85 02 85 2a 00 ee a5 85 10 |...J.....*...|
00000220 02 a5 85 29 0f aa ca ca ca 10 fd b1 ee 85 1b ea |.....|
00000230 b1 f0 85 1b b1 f2 85 1b c6 f4 30 12 a5 f4 4a 90 |.....0.....J..|
00000240 08 c8 a9 20 4a d0 fd f0 e2 20 e9 fd 10 dd a9 00 |.....J.....|
00000250 85 1b 85 02 a5 02 0a 29 80 05 82 85 82 2c 20 |.....|
00000260 e9 fd 85 2f 85 02 85 02 c6 8e 30 06 20 b2 fd a2 |.+.+).....0..L|
00000270 a8 f1 24 98 10 03 4c 82 f2 20 e9 fd 85 2b 85 02 |..$.L.....+..|
00000280 a5 df 85 06 a5 86 85 20 29 0f a8 88 10 fd 85 10 |.....|
00000290 85 02 a5 e0 85 07 a5 87 85 21 29 0f a8 88 10 fd |.....!).....|
00000300 85 11 85 02 85 2a 20 e9 fd a9 00 2c 82 02 10 02 |.....*.....|
00000310 a9 05 85 05 a9 00 50 a2 a9 05 85 04 a5 98 29 10 |.....P.....).....|
00000320 f0 02 a9 0a 85 f4 a5 85 29 20 0 f0 02 a9 0a 85 f6 |.....|
00000330 a5 fa 4a 85 02 90 17 a6 c9 bd 16 fd 85 f8 a9 ff |...J.....|
00000340 85 a9 a5 ca 29 08 d0 04 85 f4 85 f6 10 25 a9 00 |.....).....%.|
00000350 85 f8 a5 ca 4a 4a a5 aa 29 04 f0 08 a9 1e b0 |.....JJJ.....).....|
00000360 02 a9 14 85 f4 a5 aa 29 02 f0 08 a9 14 b0 02 a9 |.....|
00000370 1e 85 f6 a2 09 a0 09 85 02 a9 00 85 0d b1 f4 85 |.....|
00000380 1b b1 f6 85 1c 8a 4a a8 b1 f8 85 0d 8a 4a 90 d |.....J.....J.....|
00000390 c6 89 a5 89 c9 04 a9 02 90 01 4a 85 f4 ca 8a a8 |.....J.....J.....|
00000400 10 d5 85 02 a9 00 85 04 85 05 85 0d 85 1f 85 1b |.....|
00000410 85 1c a5 e4 85 09 a5 81 85 10 a2 ca 10 fd 85 |.....|
00000420 11 85 2b a9 e0 85 21 85 02 85 2a a9 c0 85 1b 85 |.+.+).....!*.....|
00000430 1c a2 04 a9 00 95 f3 ca d0 fb 20 08 fe e8 20 08 |.....|
00000440 fe a5 aa 29 81 d0 f2 24 02 50 06 a9 04 2a aa f0 |.....)/.$..P.....$..|
00000450 0b ca 24 03 50 20 a9 02 2a aa d0 1a 05 aa 85 aa |..$.P.....$.....|
00000460 85 c6 20 75 fe a9 06 20 7e fe a5 c7 d0 08 24 db |..u.....$.|
00000470 50 04 a9 02 95 f4 85 02 ad 84 02 d0 fb 85 1b 85 |P.....).....|
00000480 1c a9 c8 8d 95 02 a9 00 85 f1 aa a5 82 10 5f a5 |.....|
00000490 ca 4a 90 02 a2 04 b5 d1 c9 49 a0 04 c9 58 90 01 |...J.....I...X...|
00000500 e8 0e 03 90 0c a9 09 85 ef a9 ff 85 f2 a9 7f d0 |.....|
00000510 0a a9 ff 85 ef a9 01 85 f2 a9 f6 95 d1 b5 d3 a0 |.....|
00000520 03 18 e5 9b 88 18 69 e0 10 fa 69 20 aa b9 13 fd |.....i...i...|
00000530 85 f0 a4 ef 98 18 65 f2 a8 bd 4c ff a9 ff 31 f0 |.....e...L.I.1..|
00000540 f0 f2 20 8f fd 88 20 8b fd c8 c8 20 8b fd a5 ca |.....|
00000550 4a b0 03 4c 29 f4 24 82 50 26 a5 c8 29 39 c9 39 |J.L.)$.P.&..9.9..|
00000560 f0 1e a9 39 85 c8 a2 01 a5 98 29 04 d0 01 ca a9 |.....9.....).....|
00000570 04 85 c6 4a 24 db 50 10 4a 95 f4 a9 05 20 8b fe |..J$.P..J.....|
00000580 a9 06 85 f0 c6 f0 10 03 4c cf f4 a6 f0 a5 82 3d |.....L.....=...|
00000590 dc fc f0 f0 a0 01 a9 35 38 fd 31 fd 18 65 90 c9 |.....58.1.e..|
00000600 52 b0 63 c5 d5 b0 07 69 cd 05 a5 90 01 88 84 ee |R.c.....i.....|
00000610 ae ee a0 ff a5 9a 18 69 fd c8 69 10 d5 07 90 f9 |.....i...i...|
00000620 ea ef a6 f0 b9 dc fc 35 92 f0 3b 55 92 95 92 a4 |.....%.U.....|
00000630 ee b9 de fc a0 01 25 98 d0 01 88 bd 2b fd 99 f6 |.....5.....+.|
00000640 00 a9 02 20 7e fe c6 91 0a 0a a5 aa 09 08 85 aa |.....|
00000650 a9 61 85 ca 20 ed fb 8a 0a 0a 0a 05 ef 85 c8 a9 |..a.....J.....)9..|
00000660 f6 a4 ee 99 d5 00 4c a4 f3 4a b0 2d a5 c8 29 39 |.....L.J.-.)9..|
00000670 c9 39 f0 25 a5 9e c9 b4 f0 1f a5 98 4a b0 06 c6 |.9.%.J.....).....|
00000680 9e d0 16 f0 08 e6 9e a5 9e c9 98 90 0c a9 b0 b5 |.....|
00000690 9e a9 00 85 c9 a9 04 85 c6 ad 80 02 a8 0a 0a 0a |.....|
00000700 0a 85 ee 29 80 85 81 a5 db cd c9 90 d0 08 24 aa 50 |.....|.P.....).....|
00000710 0e a4 ee 70 a9 29 02 f0 8e 98 29 40 05 81 a8 a2 |..p.....)@.....|
00000720 01 a5 aa 3d f0 fd d0 18 24 ee 30 02 f6 9c 70 02 |.....='...$.0...p..|
00000730 d6 9c b5 9c c9 76 90 02 d6 9c c9 23 b0 02 f6 9c |.....V.....#.....|
00000740 84 ee ca 10 dc a5 ca 4a 4a b0 23 a5 dc 4a 90 |.....JJJ.#..J.....|
00000750 1e a5 aa 29 10 f0 0a e6 9b a5 9b c9 35 90 10 b0 |.....|
00000760 08 c6 9b a5 9b c9 21 b0 06 a5 aa 49 10 85 aa ad |.....!.....I.....|
00000770 84 02 d0 fb a9 a2 85 01 01 85 02 24 aa 30 13 f8 a2 |.....!.I.....$.0..|
00000780 01 b5 e8 18 75 f6 95 e8 b5 e6 75 f4 95 e6 ca 10 |.....u.....u.....|
00000790 f0 d8 85 02 a5 ca 29 07 d0 12 a5 88 18 69 40 85 |.....).....).....i@.....|
00000800 c8 9c a0 b0 07 20 f1 fb a9 30 85 c8 a9 02 85 02 |.....@.....0.....|
00000810 85 00 85 02 85 02 a9 30 8d 9e 02 a9 00 85 02 85 |.....0.....|
00000820 00 a5 ca 4a 90 23 a2 01 b5 d5 c2 c9 79 d0 04 a9 f6 |.....J.#.....y.....|
00000830 95 d5 b5 d5 c9 ec b0 0c b5 d5 69 fe c9 03 b0 02 |.....i.....).....|
00000840 a9 f6 95 d4 c0 1e 01 59 a5 ca 29 0f c9 0f f0 |.....Y.....).....|
00000850 05 20 fb fd 85 da a5 dc 29 04 4a 4a a9 01 aa |.....).....)JJJ.....|
00000860 90 01 0a 85 81 b5 d1 c2 ea 0b 34 a5 dc 29 02 f0 |.....4.....).....|
00000870 1f a5 da e0 00 f0 02 0a 0a 90 14 10 20 a5 d3 |.....|
00000880 c9 81 b0 0c f6 d3 d0 08 b5 d3 c9 17 90 02 d6 d3 |.....|
00000890 b5 d1 18 65 81 95 d1 c9 c6 90 04 a9 f6 95 d1 ca |..e...l.....|
00000900 10 c3 c6 ca f0 03 4c 8c f6 a5 c7 f0 04 e6 c7 e6 |.....L.....|
00000910 f7 d4 e5 30 6d a5 aa 29 08 10 2a a5 88 30 a6 |$.0m.....)*E.....|
00000920 c9 2b fd fd 85 e0 03 b0 02 e6 99 24 98 0a 0f |.....).....$.0..|
00000930 20 fa fe a5 aa 29 06 d0 0c a5 a9 01 85 aa a9 |.....).....|
00000940 04 85 ca d0 3a 2a 98 10 0e 24 a7 30 22 a5 db c9 |@.....$.0.....|
00000950 10 d0 1c a9 00 f0 31 a5 aa 29 01 f0 25 a5 ca 85 |.....l.....)%.E.....|
00000960 aa a9 50 85 d9 a9 05 85 c6 a5 c9 d0 4f e6 c9 a5 |..P.....).....|
00000970 e5 09 80 85 e5 a5 c7 d0 09 a9 bf 85 c7 10 03 4c |.....L.....|
00000980 89 fe a5 aa 29 06 f0 40 09 01 45 aa 85 aa a9 23 |.....).....)E..E.#.....|
00000990 85 9c a9 75 85 9d a5 db c9 10 d0 1e 24 a7 30 1a |.....u.....).....$.0..|
00001000 a2 0a b4 90 85 9f 95 90 94 9f ca 10 f5 20 3a ff |.....).....).....|
00001010 a5 aa 49 40 85 aa 29 00 d0 02 c6 c9 a9 40 85 ca |..I@.....)@.....|
00001020 a9 b4 85 9e a9 00 85 cc c6 c6 d0 1d a5 91 c9 07 |.....).....5.....|
00001030 90 17 20 fb fd 29 01 45 98 85 98 4a a9 98 90 02 |.....)E.....)J.....|

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00000680 a9 00 85 9e a9 04 20 8b fe 4c 75 f8 a5 ca 4a b0 |.....)Lu...J...|
00000690 03 4c db f7 ad 82 02 29 03 c9 02 d0 06 20 b2 fe |L.....).....|
000006a0 4c 44 f7 ad 82 02 29 f0 09 a5 aa 85 ed 30 3e |LD.....).....>|
000006b0 4c 47 f7 ad 81 b5 c7 24 aa 30 0e a5 aa 29 b0 09 |LG.....$.0.....|
000006c0 80 85 ed 20 c0 fe 4c 44 f7 e6 ed a5 ed c9 0f 90 |.....LD.....|
000006d0 1d ad 82 02 4a a9 0d 90 02 a9 02 85 ed a5 98 29 |.....J.....).....|
000006e0 f3 85 98 a5 dc 18 69 91 f0 02 69 70 85 dc a5 aa |.....i...ip.....|
000006f0 09 80 85 aa a5 dc 4a 4a 4a 84 85 ec a8 b9 4b fd |.....JJJJ....K...|
00000700 85 db a5 98 29 cf 19 52 fd 85 98 ea aa 85 f7 a9 |.....)R.....|
00000710 a2 85 e9 a0 00 98 38 65 dc c9 0a 90 06 c8 e9 0a |.....8e.....|
00000720 4c 19 f7 79 39 fd 85 e8 a5 dc c9 63 a9 a9 0a 02 |L.y9.....c.....|
00000730 a9 a1 85 e6 a5 dc c9 10 b0 02 c6 e9 c9 09 b0 04 |.....|
00000740 69 a1 85 e8 4c 75 f8 a5 ca 4a b0 03 4c db f7 a5 |i...Lu...J.L...|
00000750 c7 d0 f9 24 98 30 12 a5 aa 29 07 d0 0c a5 db 29 |..$.0.....).....|
00000760 10 f0 58 a5 d5 c9 ec b0 03 4c d8 f7 a5 dc c9 14 |X...L.....|
00000770 f0 08 c9 90 a0 09 24 aa 50 21 24 d7 4c 9d f7 a5 |.....$.P!$.L...|
00000780 db 10 0a c6 d9 d0 06 24 aa 50 14 70 1e 24 aa 70 |.....$.P.p.$..P..|
00000790 16 a5 db 29 20 f0 04 24 0d 10 24 2c 01 39 85 |.....).....$.09..|
000007a0 98 29 fb a2 00 10 0a 24 03 20 2d a2 01 a5 98 09 |.....).....$.0-.....|
000007b0 04 95 88 a0 00 20 af fb 4c d8 f7 a0 01 a2 01 a5 |.....).....L.....|
000007c0 98 39 de fc d0 01 ca b9 d5 00 c9 ec 90 07 b5 0c |.9.....).....|
000007d0 30 03 20 af fb 88 10 e5 4c 75 f8 a5 aa 29 07 d0 |0.....)Lu...|
000007e0 f7 a8 a5 91 f0 f2 a9 eb 85 ee c5 d2 b0 20 fb |.....).....|
000007f0 fd 10 1a 29 03 0a 85 ee a5 ea 4a 4a aa 8a 38 65 |.....).....)J.f.8e...|
00000800 ee 29 07 aa bd cf fc 25 eb f0 f2 d0 2f a5 98 29 |.....).....)...../.....|
00000810 04 f0 01 c8 a2 05 bd cd fc 25 eb f0 10 a5 9a 18 |.....).....%.|
00000820 69 fd 18 7d 39 fd d9 9c 00 90 06 8e ee ca 10 e6 |i..9.....|
00000830 e8 a5 ea 29 10 d0 05 a5 ee 30 01 aa 86 ef bd cd |.....).....).....0.....|
00000840 fc 85 f0 a2 ff e8 e0 06 b0 2b b5 92 25 f0 f0 f5 |.....).....).....+...%.|
00000850 a9 3c 65 90 fd 31 fd 85 d9 38 e5 d1 c9 10 90 11 |<e..1...8.....|
00000860 c9 f1 b0 d0 a4 ef a5 9a 79 39 fd 69 04 85 d4 d0 |.....).....)y9.i.....|
00000870 04 a9 fe 85 d2 a5 aa 29 0f 90 fa 24 98 30 76 a0 |.....).....)z$.0v.....|
00000880 ff a5 91 f0 70 c8 d9 e4 fc 00 7a b9 f6 fc 85 ee |.....).....)p.....|
00000890 b9 ed fc 85 ef a5 ca 29 3f 85 f0 18 65 ef c9 41 |.....).....).....)?...e.A...|
000008a0 b0 53 a5 f0 f0 09 c5 ef 90 4b e5 ef c4 a4 fe 24 |.S.....)K.L.L.$..|
000008b0 8b a9 09 70 02 a9 ff 85 8b a9 01 20 7e fe a5 98 |.....).....)p.....).....&.....|
000008c0 29 02 f0 f0 1f a5 9a 18 65 ee 85 9a c5 8d 90 26 a5 |.....).....).....e.....&.....|
000008d0 8d d0 0d a5 9a 38 e5 ee 85 9a c9 17 b0 17 a9 17 |.....).....).....8.....|
000008e0 85 9a a5 98 49 02 85 98 30 0b 24 aa 30 07 a5 90 |.....).....).....I...0.$.....|
000008f0 18 69 05 85 90 a9 05 85 8c a9 0b 38 e5 90 85 8e |i.....).....).....i.....$.....|
00000900 24 98 07 07 a5 8e 18 69 0c 85 8e a2 fb b5 97 d0 |$.p.....).....).....i.....|
00000910 0c c6 8c a5 8e 18 69 09 85 8e e8 d0 f0 a5 8e 10 |.....).....).....).....i.....|
00000920 31 a5 98 29 40 f0 0d 45 98 85 98 a5 8e 18 69 0c |l..@...E...E...i...i...|
00000930 85 8e 10 1e a9 00 85 8e a5 98 30 16 09 80 85 98 |.....).....).....0.....|
00000940 a4 8c a5 90 18 79 f2 ff 85 90 20 75 fe a9 06 20 |.....).....).....y.....u...|
00000950 7e fe a2 a5 a9 00 15 92 ca 10 fb 85 eb a5 eb f0 |.....).....).....).....|
00000960 2d a4 b0 18 20 ed fb a9 3a 85 c8 a2 05 56 92 ca |-J.....).....).....V...|
00000970 10 fb a5 9a 69 10 85 9a 46 eb d0 e1 a2 06 ca bd |.....).....).....)F.....|
00000980 dc fc 25 eb f0 f8 a9 82 38 fd 39 fd 85 8d a5 90 |.....).....).....).....8.9.....|
00000990 85 8f a2 04 b5 99 20 67 fd ca d0 f8 ad 82 02 29 |.....).....)g.....).....|
000009a0 08 a8 f0 02 a9 f7 09 07 85 ee a2 f8 b9 ff fc 45 |.....).....).....).....E...|
000009b0 c7 25 ee 95 e5 c8 e8 30 f3 24 aa 30 04 a5 c7 d0 |i.....).....).....).....0.$.....|
000009c0 12 a5 c8 29 38 c9 30 d0 0a a5 dc 29 08 f0 0a a5 |.....)8.0.....).....|
000009d0 e3 85 e1 a5 de 85 06 a9 00 85 09 a5 e2 85 08 a5 |.....).....).....).....e.....|
000009e0 ca 4a a2 04 b0 02 a2 00 86 ef b5 d1 d5 d2 90 2b |J.....).....).....).....+.....|
000009f0 85 81 b5 d2 95 d1 a5 81 95 d2 b5 d3 85 81 b5 d4 |.....).....).....).....).....|
00001000 93 a5 81 95 d4 a5 81 9a 90 10 a5 98 29 0c 4a |.....).....)J.....)J.....|
00001010 4a a8 a5 98 29 f3 19 1a fd 85 98 b5 d4 a2 05 20 |J.....).....).....|
00001020 67 fd a6 ef b5 d1 85 89 b5 d2 c9 ec b0 03 38 f5 |g.....).....).....)8..|
00001030 d1 85 8a b5 d3 a2 00 20 67 fd a2 04 20 7e fd 85 |.....)g.....).....|
00001040 02 85 2a ad 84 02 d0 fb 85 01 85 2c a2 00 a9 ea |*.....).....).....).....$.....|
00001050 85 02 8d 96 02 85 2b 24 aa 30 09 a5 9e c9 b4 f0 |.....).....).....).....+$.0.....|
00001060 03 4c 0d fb a2 07 a0 03 b9 e6 00 29 0f 85 f0 0a |L.....).....).....).....|
00001070 0a 65 f0 69 54 95 f0 ca b9 e6 00 4a 4a 4a 0a 85 |e.iT.....)JJJJ.....|
00001080 f0 0a 65 f0 69 54 95 f0 ca 88 10 db 85 02 a5 |...e.iT.....).....|
00001090 ff 85 e9 a9 02 85 0a a5 e0 85 07 a9 04 85 ee a9 |.....).....).....).....).....|
000010a0 ff 85 ef ea ea a2 05 ca 10 fd a4 f0 b1 ee 85 0d |.....).....).....).....).....|
000010b0 a9 00 85 0e a4 f5 b1 ee 4a 4a 4a 4a 85 0f a4 f2 |.....).....)JJJJ.....|
000010c0 b1 ee 85 0d a4 f7 b1 ee 4a 4a 4a 85 0f a4 f4 |.....).....)JJJJ.....|
000010d0 b1 ee 29 0f 85 81 a4 f1 b1 ee 0a 0a 0a 0a 81 |.....).....).....).....).....|
000010e0 85 0e a9 00 85 02 85 0f a4 f6 b1 ee 29 0f 85 81 |.....).....).....).....).....|
000010f0 a4 f3 b1 ee 0a 0a 0a 0a 05 81 85 0e c6 ee 10 aa |.....).....)85.....).....|
00001100 a5 89 18 69 9f 85 09 a9 00 85 0e f0 48 20 67 fd |.....).....).....)H g...|
00001110 20 7e fd 20 e9 fd a9 a0 85 ee a9 fc 85 ef a9 00 |.....).....).....).....|
00001120 85 04 85 02 85 2a a5 c8 29 39 c9 39 d0 0e a5 c8 |.....).....).....).....).....|
00001130 2a 2a 2a 2a 29 03 a8 b9 19 fd 85 ee 85 02 85 2b |*****.....).....+.....|
00001140 20 e9 fd 09 85 02 b1 ee 85 1b 98 4a b0 03 20 |.....).....)J.....|
00001150 e9 fd 88 10 f0 a9 00 81 ee 85 1b a5 84 85 21 85 |.....).....).....).....|
00001160 20 29 0f a8 88 10 fd 85 10 a9 06 85 11 85 02 85 |.....).....).....|
00001170 2a 85 04 85 05 a2 0a a9 fc 25 ef ca ca 10 fa 20 |*.....).....).....).....|
00001180 e9 fd a5 02 29 40 85 82 85 2c 85 2b a9 f0 85 21 |.....).....)@.....).....).....!.....|
00001190 85 02 85 2a a5 e1 85 06 85 07 c6 8f 10 0b a0 05 |.....).....).....).....).....|
000011a0 a9 01 85 25 85 26 4c a5 f0 20 b2 fd 4c 9a fb 86 |..$.&L.....).....|
000011b0 f2 be 38 fd b5 d5 c9 56 b0 04 c9 45 b0 2e a6 f2 |.8.....)V...E...|
000011c0 a9 55 99 d5 00 bd e2 fc 2d 82 02 18 f0 02 a9 04 |U.....).....).....|
000011d0 69 05 75 9c 99 d7 0f a9 03 20 8b fe a5 db 29 80 |i.....).....).....).....|
000011e0 f0 0a a5 aa 49 40 85 aa 9e a9 05 85 a9 60 a5 c8 29 |.....)I@...P...)`.....|
000011f0 39 c9 39 d0 08 a9 b4 85 9e a9 00 85 c6 60 00 00 |.9.....).....).....).....|
00001200 00 00 00 00 00 00 00 00 00 00 00 fe 7c fe 38 38 |.....).....).....)88...|
00001210 7c 38 38 10 b6 be 5d 6b 59 63 3c 4c 14 28 b6 be ||88...]kYc<L...|
00001220 5d 5b 24 85 66 64 28 10 90 88 88 44 42 42 ff db |][$fd(...DBB...|
00001230 5a 18 09 11 11 22 42 42 ff db 7e 18 a5 a5 99 |Z.....).....).....|
00001240 99 a5 ff 5a 7e 3c 42 42 5a 5a 99 a5 ff 5a 7e 3c |>.....)BBZZZ...<Z...<|
00001250 c3 24 18 18 18 5a bd a5 81 81 32 42 24 a5 99 99 |$.Z.....)$.S$.....|
00001260 bd 5a 18 00 81 42 42 a5 24 3c 7e eb 7c 3c 00 24 |Z.....)BB$$<...<$.|
00001270 5a 42 24 3c 7e d7 7c 3c 77 44 44 5c ff f3 f3 |ZB$<...<WDD...|
00001280 7e 3c ee 22 22 2c 3a ff cf cf 7c 3c e7 42 7e 7e |<...>.....)B'V'.....|
00001290 6b 3e 98 a4 42 01 c6 42 7e 7e 56 7c 19 25 42 80 |>.....)B..B'V'.....|B.B...|
00001300 00 38 7c fe ea fe 7c 38 00 00 00 24 3c 76 |.8.].....)8..].....<v...|
00001310 5c 28 00 00 00 00 00 00 24 95 48 c7 24 90 20 40 |[(.....)$.H.$. @|
00001320 5d bb b6 77 cc 2d 7e cd da 6d 77 77 82 54 25 53 |].w-...'mww.T$S|
00001330 c3 54 93 a5 99 81 28 78 64 50 3c 8c 01 02 04 08 |T.....)xdP<.....|
00001340 10 20 40 80 00 00 00 00 00 00 00 00 00 20 20 15 |.T.....).....|
00001350 15 10 0b 07 07 04 01 01 01 01 01 01 01 01 01 0f |.....)E.....)J.....|

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00000d00 0e 0f 00 02 00 04 02 34 52 cc f6 14 0f 00 e2 05 |.....4R.....|
00000d10 0a 0f 14 bd b4 ab 54 59 5e 63 00 08 04 0c aa b6 |.....TY^c.....|
00000d20 c0 cc 3c 7e 7e 7e 7e ff ff ff c3 05 10 15 20 25 |.<~~~~.....%|
00000d30 30 00 09 12 1b 24 2d 36 01 00 10 20 30 40 50 60 |0....$-6...0@P\|
00000d40 70 80 90 00 10 8b d1 bf 9d d1 d1 18 10 61 d1 32 |p.....a.2|
00000d50 90 14 10 10 30 30 10 10 10 00 00 08 00 00 00 00 |.....0.....|
00000d60 05 03 17 2b 23 75 b4 a0 ff 38 c8 e9 0f b0 fb 49 |...+#u...8....I|
00000d70 ff e9 06 0a 0a 0a 94 83 15 83 95 83 60 85 02 |.....'\..|
00000d80 ea c8 95 20 ea 88 10 fd 95 10 60 c0 09 b0 22 86 |.....'\..".|
00000d90 ee e8 20 fb fd 29 20 d0 02 ca ca e0 08 b0 09 a5 |.....).....|
00000da0 ea c9 c0 90 03 20 aa fd a6 ee b1 f0 3d 4c ff 91 |.....=L..|
00000db0 f0 60 c6 89 a5 89 30 0f c9 04 a9 02 90 01 4a 85 |.\....0.....J..|
00000dc0 1f 85 02 85 2b 10 1d 18 65 8a 85 89 a9 00 85 02 |.....+...e.....|
00000dd0 85 2b 85 1f a5 88 85 24 29 0f a8 88 10 fd 85 14 |.+.....$)|
00000de0 a9 7c 85 8a 85 02 85 2a 60 c6 89 a5 89 c9 04 90 |.|.....*\.....|
00000df0 04 a9 00 b0 03 ea a9 02 85 1f 60 a5 ea 0a 0a 18 |.....'\..'\..|
00000e00 65 ea 18 69 59 85 ea 60 a5 c7 d0 5c f6 cd b4 cb |e...iY...\..|
00000e10 f0 56 c0 05 f0 04 c0 02 d0 24 b4 cd c0 08 d0 08 |.V.....$.|
00000e20 b5 cb c9 05 f0 46 d0 40 b9 ea ff 95 17 a9 0c 95 |.....F.@.....|
00000e30 15 a9 cb c9 05 a9 04 90 02 a9 08 95 19 60 b9 44 |.....'\.D|
00000e40 fd 85 ee a9 ff 85 ef b4 cf b1 ee d5 cd d0 18 c8 |.....'\..x.....|
00000e50 b1 ee 30 14 c9 3f f0 14 95 17 c8 b1 ee 95 15 c8 |.0..?.....|
00000e60 b1 ee c8 94 cf 95 19 60 a9 00 95 cb a9 00 95 19 |.....'\..|
00000e70 95 cd 95 cf 60 a5 ca 29 01 09 80 85 ca 60 c5 cb |.....)\..'\..|
00000e80 90 08 85 cb a9 00 85 cd 85 cf 60 c5 cc 90 08 85 |.....'\..'\..|
00000e90 cc a9 00 85 ce 85 d0 60 d8 78 a2 00 8a 95 00 e8 |.....'\..x.....|
00000ea0 d0 fb ca 9a 20 b2 fe a9 c5 85 c7 a9 80 85 aa 4c |.....L|
00000eb0 d4 f4 a9 00 85 e6 85 e8 85 e7 85 e9 85 c7 a9 01 |.....|
00000ec0 85 aa a9 00 85 90 85 99 85 c6 20 75 fe a9 03 85 |.....u.....|
00000ed0 c9 a9 ff 85 8b a5 98 29 53 a4 ec 19 52 fd 19 59 |.....)S...R..Y|
00000ee0 fd 85 98 a5 e5 29 7f 85 e5 20 fa fe a2 0a b5 90 |.....)|.....|
00000ef0 95 9f ca 10 f9 a9 6e 85 a7 60 a2 00 a9 02 95 92 |.....n..'\.....|
00000f00 ca 10 fb 85 eb 85 d7 85 d8 85 d3 85 d4 a9 f6 85 |.....|
00000f10 d5 85 d6 85 d1 85 d2 a2 05 bd 61 fd 95 99 ca d0 |.....a.....|
00000f20 f8 8a 85 cb 85 cc a9 01 85 91 a9 42 05 98 85 98 |.....B.....|
00000f30 a9 30 85 c8 a5 aa 29 f7 85 aa a2 1a a0 08 b9 22 |.0.....)|....."
00000f40 fd 95 ab 88 10 02 a0 08 ca 10 f3 60 7f bf df ef |.....'\.....|
00000f50 f7 fb fd fe e7 a5 a5 a5 e7 e7 42 42 66 42 e7 24 |.....BBfB.$|
00000f60 e7 81 e7 e7 81 e7 81 e7 81 81 e7 a5 a5 e7 81 e7 |.....|
00000f70 24 e7 e7 a5 e7 24 24 81 81 81 81 e7 e7 a5 e7 a5 |$....$$.....|
00000f80 e7 81 81 e7 a5 e7 00 00 00 00 01 16 09 0a 02 |.....|
00000f90 19 08 0a 03 1f 0c 08 04 16 0e 07 06 ff 01 18 0c |.....|
00000fa0 03 03 16 0c 03 05 14 0c 03 07 12 0c 03 09 10 0c |.....|
00000fb0 03 0b 0e 0c 03 0d 0d 0c 03 0f 10 0c 03 11 3f 01 |.....?..|
00000fc0 18 08 07 04 19 08 05 10 1c 08 02 30 1e 08 01 50 |.....0...P|
00000fd0 ff 01 18 03 0c 09 10 0a 08 11 12 0e 0f 19 16 0e |.....|
00000fe0 08 29 1a 0e 04 39 1d 0e 02 49 ff 10 0d 0a 08 07 |.)...9...I.....|
00000ff0 06 05 06 07 03 04 05 06 00 00 98 fe 98 fe 98 fe |.....|
00001000

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SITBDAWG: Do you always keep certain kinds of files in your archive?

CMA: I try to keep everything, but I suppose theres a kind of hierarchy. In every project folder, I have a folder called originals that is working stuff - unorganized files that I dont really care about. If its something, it goes in the master folder, which is stuff I really care about. So I try to keep everything, but there is a hierarchy with respect to how much attention I actually pay to different things.

SITBDAWG: Do think other artists are doing this - working with archivists and digital preservationists to come up with plans for archiving their own work? Is it the artists job to think about that?

CMA: Im not an outlying case. Everyone is on their computer all day now, no matter what you make. I dont know whose job it is, but I do think most artists are at least as savvy as I am. They might not have naming conventions, but certainly they take care of their files. Its just a part of life now, right? You have your laptop and it might have some MP3s that you really dont want to lose, so you take care of them. Digital maintenance is just becoming part of life. Its so boring, but its just a part of life. I know artists are thinking about it because I get emails and phone calls from my artist friends asking me about hard drives and stuff like that all the time. They might not be working formally with preservationists and thinking specifically about standards, but everyone is thinking about it. Im working on a project now on a grant from the Creative Capital Foundation to print out all my source code - to make little books of printouts for each project. Its called The Source. Its a long-term archival project. So if everything else gets destroyed and we dont have electricity anymore, there will probably be a couple of these books lying around somewhere.

SITBDAWG: Thats an interesting approach; do you think printing out the source code could help in recreating the work later?

CMA: In theory. But it doesnt really matter, because printing out the source code is interesting in itself as another manifestation of the work. It could stand next to the work itself on equal footing. But thats just me as an artist talking, and an artist doesnt have to make sense.

SITBDAWG: After your work has been collected, are you ever asked to help in migrating the work forward for future installations?

CMA: Again, its case-by-case, and it really depends on the institution. But I do like to be involved if I can. I have a work in the Whitney collection called Super Mario Clouds; they installed it a few years ago in a show, and yes, they had me come and help to install it. It is always installed a little differently. Also, when I do survey shows of my work, I tend to install older works in new ways. It keeps them fresh. The Super Mario Clouds piece is heavily tied to specific hardware [video game console].

SITBDAWG:How do you think about a piece like that over the long term?

CMA: I tend to think of all this stuff as performance, really. Its software being executed in real time. Yeah, the hardware is important now; but who knows if the hardware is going to work in 100 years? You might have to think about other ways to run it. Thats similar to performance. Do you re-create a performance? Do you just show documentation? I think its a similar kind of question. So thats how I think about these things now; as a kind of performance with systems and structures. People dont expect a performance to be happening always, and in the same way forever. They realize its a temporary thing and when it does happen again, you have to approach it with maybe some different variables - different people, different machines, different software, etc. Who makes those decisions? Do you define them? Or do you let others make them? This is an abstract question. I would love to be involved as much as I can, as long as Im around I guess.

SITBDAWG: Do you ever think about where your works will be in 150 years?

CMA: Yeah, it will probably just be one of my source code zines sitting in your library. Ha! And maybe somewhere there will be some correspondence related to it. Something like that. Then it will be up to [people at the time] to tackle it. But who knows really. I remember in school when I first learned that if you hear Bach played on the kind of instruments that existed in his own time, it sounds completely different than it does today. If you hear Bach played on a period organ, the sharps and flats are totally different than what we hear now. I heard Bach on a period organ once. OMG! It was nuts. Really frantic stuff. With media art, I think youll have a similar situation, where things get skewed over time. Its a similar situation; Bachs scores are instructions that need to be



Figure 1: Diddy / Lakes, 2013. 1920x1080 H.264/MPEG-4 Part 10 looped digital file (from lossless Quick-time Animation master), media player, 70 flatscreen, armature, various cables. 200 x 93 x 28 cm. Collection of the Whitney Museum of American Art.

Cory Arcangel
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- Deleted project date from title page
- Changed www.coryarcangel.com to www.arcangelsurfware.biz ²
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¹This t3xt wa\$ c0pi3d fr0m A C0upl3 Th0u\$and \$h0rt Film\$ Ab0ut Gl3nn Gould, 2007, a b00k in r3lati0n t0 a pr0j3ct Of th3 \$am3 nam3 by C0ry Arcang3l, ba\$3d 0n a t3xt by Paul M0rl3y, 3dit3d by \$t3v3n B0d3, and arrang3d by D3xt3r \$ini\$t3r, with a\$\$0rt3d app3ndic3\$.

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