

**ARK Investment Management LLC
Client Trades – Preceding One Year Period**

The following is a list of all purchases and sales made by ARK Investment Management LLC ("ARK") for client accounts during the past year that could be considered by the Securities and Exchange Commission as recommendations. It should not be assumed that recommendations made in the future will be profitable or will equal the performance of the securities in this list.

ARK Trades				Market on Trade Date			Recent Market Price
Date	Direction	Ticker	Price	Low Price	High Price	Closing Price	Last Price As of 11/18/2019
11/14/2019	Buy	SSYS	\$19.07	\$18.35	\$19.74	\$19.15	\$19.00
11/14/2019	Buy	SSYS	\$18.10	\$18.35	\$19.74	\$19.15	\$19.00
11/14/2019	Sell	TSLA	\$349.48	\$342.91	\$353.84	\$349.35	\$350.46
11/14/2019	Buy	SSYS	\$19.47	\$18.35	\$19.74	\$19.15	\$19.00
11/14/2019	Buy	SSYS	\$19.40	\$18.35	\$19.74	\$19.15	\$19.00
11/14/2019	Sell	TSLA	\$346.13	\$342.91	\$353.84	\$349.35	\$350.46
11/13/2019	Buy	CERS	\$4.52	\$4.25	\$4.60	\$4.31	\$4.36
11/12/2019	Buy	Z1P AU	\$4.18	\$3.90	\$4.23	\$3.91	\$3.96
11/12/2019	Buy	DSY SJ	\$127.91	\$12,735.00	\$13,199.00	\$12,974.00	\$12,868.00
11/12/2019	Buy	CERS	\$4.15	\$4.05	\$4.36	\$4.28	\$4.36
11/12/2019	Buy	PACB	\$4.65	\$4.55	\$4.68	\$4.60	\$4.64
11/12/2019	Sell	TDOC	\$80.60	\$80.12	\$82.52	\$80.76	\$78.32
11/12/2019	Buy	XONE	\$7.01	\$6.88	\$7.11	\$6.95	\$6.95
11/11/2019	Buy	CSOD	\$57.86	\$57.35	\$58.06	\$57.68	\$59.28
11/11/2019	Sell	TSLA	\$347.31	\$342.00	\$349.19	\$345.09	\$350.46
11/11/2019	Buy	XONE	\$6.97	\$6.66	\$7.26	\$6.96	\$6.95
11/11/2019	Buy	MELI	\$497.01	\$489.58	\$499.20	\$497.62	\$533.56
11/11/2019	Sell	PDD	\$41.98	\$41.23	\$42.69	\$41.92	\$41.59
11/11/2019	Buy	PINS	\$20.29	\$19.90	\$20.52	\$20.40	\$19.47
11/11/2019	Sell	SPLK	\$124.87	\$124.10	\$125.90	\$124.75	\$123.08
11/11/2019	Buy	CERS	\$4.07	\$3.95	\$4.11	\$4.09	\$4.36
11/11/2019	Buy	GH	\$72.64	\$70.28	\$74.07	\$72.97	\$79.74
11/11/2019	Buy	PACB	\$4.61	\$4.54	\$4.69	\$4.66	\$4.64
11/11/2019	Sell	TDOC	\$80.94	\$79.34	\$81.54	\$81.00	\$78.32
11/11/2019	Sell	GWRE	\$118.63	\$117.28	\$119.33	\$117.74	\$118.94
11/11/2019	Buy	MELI	\$496.21	\$489.58	\$499.20	\$497.62	\$533.56
11/11/2019	Sell	PDD	\$42.19	\$41.23	\$42.69	\$41.92	\$41.59
11/8/2019	Buy	ANSS	\$223.15	\$221.83	\$224.95	\$224.31	\$239.32
11/8/2019	Sell	TER	-\$62.87	\$62.43	\$63.57	\$63.51	\$65.37
11/8/2019	Buy	TTD	\$189.10	\$185.90	\$204.30	\$195.53	\$233.80
11/8/2019	Buy	CBMG	\$17.84	\$17.67	\$18.10	\$17.67	\$18.00
11/7/2019	Buy	CBMG	\$17.83	\$17.55	\$18.36	\$17.96	\$18.00
11/7/2019	Buy	NVTA	\$15.40	\$14.35	\$16.59	\$15.02	\$18.24
11/7/2019	Buy	NVTA	\$15.95	\$14.35	\$16.59	\$15.02	\$18.24
11/7/2019	Sell	REGN	\$328.24	\$325.62	\$333.72	\$326.39	\$338.66
11/7/2019	Sell	REGN	\$326.82	\$325.62	\$333.72	\$326.39	\$338.66
11/7/2019	Sell	CLLS	\$12.82	\$12.50	\$12.99	\$12.77	\$13.31
11/7/2019	Sell	CLLS	\$12.78	\$12.50	\$12.99	\$12.77	\$13.31
11/7/2019	Sell	CRM	\$159.52	\$158.08	\$161.13	\$159.50	\$162.68
11/7/2019	Sell	EDIT	\$20.94	\$20.57	\$21.31	\$20.91	\$23.17