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6 days ago - Park West Gallery was also exc an internationally known painter and cellist. Dee + Show map of 29469 Northwestern Highway, S	ply inspired by	t, Duaiv,	91(12) Park West Gallery Thomas Kinkade Collection MAP
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Attacking	the Core: Perso	atized Search
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Internet	Search Engine	User history/profile
• Web pages	We han him ins ins ins one ins. Model of the instance ins. Model of the instance instance	 User behaviors User web history User search history User location
11/25/12	term in even developing and even if 2% - Calcife ¹ - Statistic - Statist	4





Hiding "Negative" Pages
Blackhat SEO
 Register domain names containing the search term
 e.g. registering <u>www.parkwestgallery.org</u>,
 e.g. registering <u>www.parkwestgallery.org</u>, <u>www.parkwest-krasnyansky.com</u>, <u>www.parkwest-kinkade.com</u> for search term "park west gallery"
 Create web pages that contain the search term on high- page-rank websites
 e.g. creating <u>www.facebook.com/ParkWestGallery</u>, <u>www.parkwestgallery.wordpress.com</u>, etc.
Internet Mercenary
 Hire Internet mercenary to search the term, and click positive messages or these web pages/domains
e.g. using Mechanical Turk
11/25/12 7



















Search engine rank	Top 1–10	Top 11-20	Top 21-30	Top 31-50	Top 51-100
Non-personalized URL # (Bing)	201	82	47	45	N/A
Non-personalized URL # (Google)	1,520	611	155	106	57
Personalized URL # in top 10 (Google)	1,364	506	51	2	0
Personalized URL # in top 3 (Google)	1,151	293	41	1	0
The non-personalized ran URLs for Bing and Google.	•	ersonaliz	ed ranks	of prom	otable



Credits 1	
Xinyu Xing	
 Dan Doozan 	
Alex Snoeren	
Nick Feamster	
Hans KleinRobert Rosenberger	
Generous support from Google	
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