

Designed and delivered multiple capital markets deal analytic systems which significantly increase market knowledge while reducing deal structuring time.

Conceived and implemented novel image analysis application that analyzed cancer cells that helps oncologists select personalized patient therapies

Innovated and manufactured financial news and information delivery systems for a wide range of banking retail environments

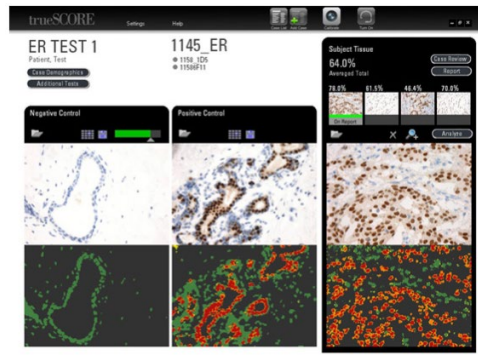
Financial Market Analysis



Designed and coded capital markets analytic system that pulls in transaction data from multiple, disparately formatted sources into a clean comparable deals data source for debt financing, municipal bond and corporate bond origination groups. Advanced query functions led to new market trend insights. Highly designed reports, automatically inserted into word processing files, dramatically reduce production time for sophisticated presentations of multi-million/billion dollar transactions... all while increasing data quality.

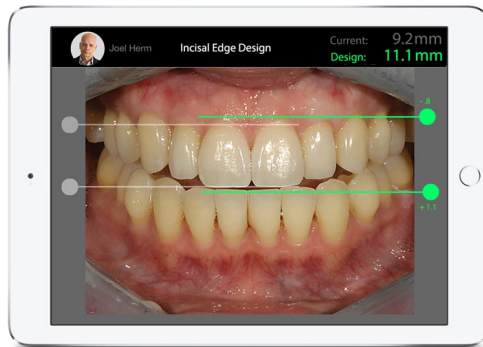
This 4-year contract engagement was a lot like an Entrepreneur-in-Residence program!

Biomedical Cancer Treatment Prognostic



Innovated and built FDA-cleared image analysis system used to accurately report clinical pathology cases. Key to the system's success is its clean, understandable user interface that allows pathologists to analyze captured microscopy images in under two seconds. The open design approach was a radical departure from competing, closed "black box" systems.

Dental Functional & Esthetic Diagnostic Platform



Currently working with two NYU professors (who are also practicing bio-esthetic dentists) to roll out a robust image analysis and dental diagnostic platform. Novel concepts embedded in their recent Esthetic Dentistry textbook are formalized in the app which takes full advantage of iOS to standardize photos to ensure medical accuracy. The app syncs health data with HIPAA-compliant FHIR servers for storage and retrieval. The platform places the individual at the center of the data flow and feeds into the person's lifelong personal health record database.

Mobile Personal Finance



Created a comprehensive iPhone tipping guide. Its five languages (Chinese, English, French, German, Italian, Japanese) reflect the globe's biggest-spending travelers, but its detailed information about tipping customs is the result of a democratic survey of 108 countries and regions. The most useful feature may be the calculator that determines the tip, in local currency, based on a novel star-rating assessment of service.

Work History

2015-present	Entrepreneur, Founder	Lifetrend LLC, New York, NY
2010-2015	Contract developer	US Bank, New York, NY
2010	Sabbatical Research	Self funded, Paris, France
2008:2009	Innovation Manager	Leica Microsystems, Bannockburn, IL
2001:2007	Entrepreneur, Founder	Cell Analysis, Highland Park, IL
1997:2003	Divisional CTO	JP Morgan Chase (Bank One), Chicago, IL
1990:1997	System Architect	ADP, Waltham, MA
1984:1990	Entrepreneur, Founder	Image Systems, Chicago, IL
1980:1984	SVP, Graphic Systems	Interior Environments, Chicago, IL
1978:1980	Entrepreneur, Founder	Circle Design, Peoria, IL

Education

University of Illinois BFA, Industrial and Graphic Design, Champaign-Urbana
 Harvard University Continuing Education, Marketing, Cambridge
 Narrative Medicine Workshop, Columbia University, New York
 And of course, have been and will continue to be self-taught on a wide range of topics

Selected Projects

- Herm, J., McClendon, J., Levine, J. 2015 “Functional Esthetic Evaluation”, a dental analytic and diagnostic platform. A3 Laboratory
- Herm, J., Beaty, R. 2015 “ACP”, a personal health record storage and analysis iPad app with a focus on end-of-life advanced care planning. Lifetrend
- Herm, J., Hensel, A. 2010-12. “TEDD”, a capital markets big data analytic system. US Bank
- Herm, J. 2010. “Global Weather”, iPhone application placing current weather and forecasts in context with longitudinal historic climate data. Personal sabbatical
- Herm, J., Hochbaum, S. 2010. “Tipping Tips”, multi-language iPhone application with accurate tipping customs in 100+ global geographic regions. SnappApp
- Herm, J., Leica et al, 2008. “trueSCORE”, re-branded version of QCA with expanded architecture. Leica Microsystems
- Herm, J., Clatch, R.J. 2002. “QCA”, quantitative image analysis of clinical immunohistochemical assays. Cell Analysis
- Herm, J. 2001. “CompTracker”, large corporate and middle market loan analytic system. Bank One Corporation (now JP Morgan)
- Herm, J., Beaty, R. 1999-2000. “One Card”, corporate credit card management system with certificate-based security. Bank One Corporation (now JP Morgan)
- Herm, J., Gallagher, M. 1998. “Bank One Phonebook”, intranet employee information system utilized by 85,000 employees. Bank One Corporation (now JP Morgan)
- Herm, J., Gallagher, M. 1997. “Commercial Banking Intranet”, corporate intranet architecture and standards. Bank One Corporation (now JP Morgan)
- Herm, J., Cornelli, R., Teeter, J. 1993-1997. “Forte for Windows”, corporate cash management system incorporating payment and funds transfer with PKE. ADP
- ADP et al, Herm, J. 1990-1993. “NetPay”, electronic data interchange (EDI) system for large corporate payments system with public key encryption. ADP
- Herm, J. 1987. “CrainsCast”, news delivery system of public kiosks incorporating flat panel plasma displays. Image Systems, Crains Chicago Business
- Herm, J. 1986. “LComm”, proprietary LED financial rate display system updated remotely via telecommunications or infrared remote. Image Systems
- Wideroe, B., Herm, J. 1983. 1-million square foot interior architectural design of retail banking center in Minneapolis/St. Paul. First Bank System (now US Bank)