Data Science and Open Source Consulting and Development

SenTai is a consulting group made up of several experts: applied mathematicians, data scientists, software developers (open source and .Net / Microsoft).

We build highly customized, cloud based, Big Data and AI (machine learning and neural networks) solutions. We bridge the gap between business needs, often in the form of excel based financial models, and highly scalable technology implementations.

Partnering with Google Cloud Platform, we leverage their IAAS and PAAS solutions such as their Big Data platforms as a service, as well as their Machine Learning technologies, to create highly scalable and optimized predictive solutions, in various industries.

With considerable experience in Banking and Finance (banking, asset management, algo trading), as well as various other industries such as renewable energies, we

- analyze existing systems, transform and optimize them for the cloud using Big Data technology,

- or design and build from scratch new solutions for future Big Data and predictive needs (AI, Machine Learning).

Our last project was a vast 2 year re-design of a large scale automated equity valuation platform for a Canadian bank: Canaccord Genuity's Quest platform. It is a Big Data , computationally intensive, financial platform with a heavily graph oriented web front end, based on nightly data retrieval from S&P.

Thanks to our algorithmic and technology sophistication, we were able to perform 60 billion computations on a daily basis, in less than 30mn, on a high end Google Cloud Compute Platform.

Besides achieving high technical marks, our strength also relies on closely accompanying clients from start to finish, helping them understand, take over, and manage these custom built solutions.