



Data Science, Big Data 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.