



Ailectric

Consulting and Development Process

Introduction

As the top AI startup in Louisiana, Ailectric has the vision to create smarter industry:

- We bring artificial intelligence and apply machine learning to new domains;
- We develop novel deep learning technology to innovate manufacturing, diagnostics, safety, supply chains, commerce, cybersecurity, and healthcare; and
- We provide advanced analytics for sound, signals, image, video, and text.

Through a range of products and services spanning training, consulting, technology licensing, and novel product development, we can transform your business to maximize your success through the power of artificial intelligence and deep learning.

Consulting Services

We provide expert consulting services focused on using artificial intelligence to meet your business goals, including the development of bespoke deep learning solutions, data science and analytics, and big data preparation and integration, as well as market analysis and focused sales lead generation. Our top priority in our consulting services is to treat you as a partner and ensure your happiness.

Contact

For more information on how we can help grow your business through any of these offerings, please contact us at sales@ailectric.com or visit Ailectric.com.

Consulting Process Overview

The following outline clarifies how a typical consulting project to develop a bespoke application might progress, including typical timeframes and client choices. The process can be divided into several stages, including initial review, data analysis, model development, and final delivery.

Note that additional research to understand and process data as well as system complexity can add significant time to a project, so we encourage our client's active participation.

Preliminary Consultation (2-8 weeks)

1. Host a client introduction and/or initial phone conference.
2. Sign an NDA if/when needed.
3. Preferably visit the client site to understand the domain, the business need, and the resources available.
4. Obtain an initial assessment of the availability and cost of gathering data.
5. Provide an initial review of use cases, potential problems to solve, feasibility of solutions, and a general approach. (milestone)
6. Client makes a "go/no go" decision to proceed.
7. Client chooses an agile or a traditional process.
8. Settle the legal and financial framework.



Initial Documentation

Typical documentation for the legal and financial framework includes:

- Non-Disclosure and Confidentiality Agreement (NDA).
- Master Services Agreement (MSA).
- Project Statement of Work (SOW) or Agile Contract.
- Project contact information for both tech and sales.
- Consulting rate or fixed price determination.
- Royalties or licensing fee determination, if applicable.
- Initial payment and milestone schedule.

Data Analysis and Processing (2-16 weeks)

1. Select and define the problem to address with the client.
2. Client devotes resources to collect, label, clean up, and deliver the initial data.
3. Validate the data.
4. Further clean the data as needed with the client.
5. Further label the data as needed with the client.
6. Review the complete data set together with the client. (milestone)
7. Client makes a “go/no go” decision to proceed.

Model Development, Training, and Reporting (2-16 weeks)

1. Research approaches to the solution with the client’s domain expert as needed.
2. Partition the data into training, development, and test sets.
3. Create a neural network model (or other AI solution as appropriate).
4. Train the model on the training data.
5. Perform feature selection and handcrafting as needed with a domain expert.
6. Tune the model for maximum accuracy.
7. De-bias the model as needed with a domain expert.
8. Test and validate the model.
9. Report results to the client. (milestone)
10. Client makes a “go/no go” decision to proceed.

System Delivery and Support (2-8 weeks, with ongoing support)

1. Package the model according to the client’s specification.
2. Determine package delivery requirements, as either:
 - a. Software to the client to incorporate directly into own code or process, or
 - b. Host the solution as a cloud SaaS for the client.
3. Deliver the package according to the client’s specification.
4. Client validates the delivered system. (milestone)
5. Provide incremental documentation through all stages above.
6. Provide ongoing maintenance and consulting support as needed.