FIRST ANALYTICS®
SUMMER R&D PROGRAM

Do you have a research topic to explore or "skunkworks" project in mind?

Don't have the time or resources?

The First Analytics Summer Research and Development Program is your answer.

HOW IT WORKS

- Bring your problem and your objectives to us and we will develop a methodological approach, a project plan, and the resources to complete it over the summer.

- Treat this like an internal project, directed by you, with First Analytics taking the lead.

BENEFITS

- Access to bright graduate students, schooled in the latest techniques and technologies, and involved in research as part of their education.
- Access to professors at North Carolina State University, along with their research and labs.
- Team-ups with seasoned data scientists at First Analytics to make sure your project's business goals are met and to lend their experience in having done this "in the real world".
- Project management by a First Analytics lead.
- A managed, cloud-based technology platform; no need to procure from your IT department.
- Access to the very latest software tools and technologies.
- First Analytics handles intern recruiting, on-boarding, payroll, and visa requirements.

SOME RECENT PROJECTS

- Using recurrent neural networks to improve demand forecasting for a CPG company.

- Using various machine learning techniques, such as XGBoost, in the analysis of animal health.

- Evaluating new machine learning frameworks for migration of existing analytical applications.

Computer Science
NC STATE UNIVERSITY

NC STATE UNIVERSITY
DEPARTMENT OF STATISTICS

Contact: Rob Stevens
rstevens@firstanalytics.com

FIRST ANALYTICS®

Frequently Asked Questions

What is the cost?

The project is on a time and materials basis. Depending on the resources you need, it can range from $10,000 to $50,000. Resource-specific hourly costs:

- Graduate student intern: $55. This primarily goes to the intern and the university; First Analytics does not seek to make margin on the interns.
- First Analytics staff: $150. This fixed cost represents a 20% to 50% discount on regular rates for these professionals.
- NCSU professors vary. Most projects do not involve professors directly.

Are there systems, software, or computing environment costs?

First Analytics covers these costs, unless:

- your compute needs are significantly large;
- members of your team need secure access to the environment;
- software license fees are required.

What is the timing?

Projects start about the third week of May and go through mid-August. Of course, the size of your project may dictate a shorter timeline.

Intern recruiting needs to begin in the January-February timeframe, so a commitment to the project early-on is important.

Can the project continue past the summer?

While under some circumstance we have had interns continue with us after the summer, they are only available part-time, subject to university approval, and we cannot guarantee the ongoing participation of any intern.

How is intellectual property handled?

We have an intellectual property agreement for your legal department to review and sign.
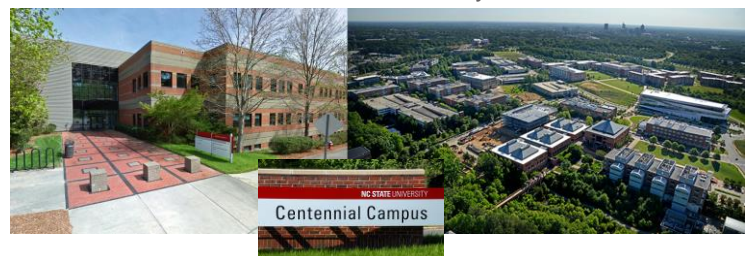
How do we interact with the project team?

The work will be undertaken in our office on the Centennial Campus of North Carolina State University. There will be regular checkpoints, including video conferences, just like any other project. If desired, and if you are willing to cover the expenses for travel, we can have the intern visit your location, especially for the final presentation.

Can we hire the intern for a permanent position?

It has happened before!

First Analytics is headquartered on Centennial Campus, NC State University

Contact: Rob Stevens
rstevens@firstanalytics.com

FIRST ANALYTICS®