

# MAGNet

## Modeling and Analytics Graduate Network

The Modeling and Analytics Graduate Network (MAGNet) program is a unique **multi-semester internship** opportunity for graduate students in quantitative and analytical fields who are interested in applying their data science skills to a wide variety of business needs across State Farm®.

### Eligibility

Eligible candidates must be accepted to or enrolled in an in-person **approved\*** graduate degree program in a quantitative or highly analytical field at one of the following universities:

**University of Illinois at Urbana-Champaign | University of Georgia | Arizona State University**

OR, be accepted to or enrolled in the Online Master of Analytics program at the **Georgia Institute of Technology**.

\* Approved graduate programs vary based on university and may change

Must have 3 to 6 semesters remaining in your graduate degree program, including summers (see [FAQs](#)).

Must reside within a commutable distance to the office location of the program to which you are applying, to meet Hybrid in-office requirements.

Applicants must be authorized to work in the United States at the time of hire. **State Farm does not offer sponsorship.**

### Qualifications

-  Strong understanding of Foundational Statistics
-  Experience with Statistical Modelling and Machine Learning
-  Experience with Statistical Programming (Python, R, SAS)
-  Strong communication and problem-solving skills

[Current Opportunities](#)

[FAQs](#)

[Contact Us!](#)

### Program information

This is a **multi-semester program**, meaning that while the internship period is for one semester at a time, interns are considered **and must have the intention** to renew the internship each subsequent semester.

- Before their final graduate semester, interns may interview for a full-time hybrid data science role. If hired, they receive a contingent job offer starting after graduation.
- After receiving an offer, interns will work on a team project with the team they are hired into, which helps ease the transition to full-time work.

#### Hours:

- **Fall & Spring:** Part-time, 20 hours/week, M-F, during normal business hours. Schedules accommodate classes
- **Summer:** Full-time, 38.75 hours/week, M-F, during normal business hours

#### Work Arrangement: Hybrid

- Specific in-office requirements will be provided during the hiring process, as they may change based on business needs.

#### Duration:

- Semester dates follow the academic calendar of the primary academic institution each MAGNet program partners with.
  - In general, Spring and Fall semesters are approximately 16 weeks, and Summer semesters are approximately 12 weeks
- Renewal of the internship occurs on a semester-by-semester basis based on the intern's growth compared to our expectations.
- Due to the continuous nature of the MAGNet program, returning interns are expected to participate in the program each semester. **It is not possible to skip a semester (Fall, Spring, or Summer) and then return to the program.**

### What to expect

Each semester, interns get an individual project that mirrors the work of full-time data scientists. Common project types include:

- **Generalized Linear Model Build:** Follow a structured timeline to develop a GLMs, ranging from insurance rating models with Tweedie distribution assumptions to logistic regression for claim document classification.
- **Machine Learning Model Build:** Develop and tune ML models such as a Gradient Boosting Machine, Random Forest, Large Language Model, etc.
- **Research Projects:** More flexible timeline focused on exploring new modeling methods, comparing tools or techniques, or other projects outside typical model development.

Each project will require the following deliverables:

- **Presentation:** MAGNet interns present their work to the entire State Farm Modeling & Analytics community. This helps them practice explaining methods and results to an audience with varying technical backgrounds.
- **Documentation:** Interns submit a technical write-up of their work to their project partners. This documentation supports the team in advancing their research and goals.

Interns have two types of mentors who work with them throughout the semester:

- **MAGNet Lead:** Assigned data scientist who guides interns through weekly 1-1 meetings to discuss project work and overall development.
- **Project Partner(s):** A data scientist or business partner who provides insight into project data and methodologies used by their area. Weekly meetings focus on presenting work, asking questions, getting feedback, and planning next steps.

### Benefits



MAGNet is similar to a 50% graduate assistantship offered by the universities; interns receive a **competitive hourly wage** and receive full **tuition support** for the duration of the internship.



MAGNet interns are eligible for and accrue Paid Time Off (PTO), are eligible to enroll in a 401k plan, and for Health Insurance coverage.

