



What do you get when an industry leader joins forces with a world-class university?

Real opportunities and experience for undergraduate and graduate students. Summer or academic year.
Flexible. Adaptable. Inspiring.

P&C Actuarial Department Research Internships
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There are three types of State Farm Actuarial Research Internships available:

- Undergraduate actuarial science
- Undergraduate statistics or mathematics
- Graduate

Job descriptions for these internships are shown on the following pages.

Location: Convenient on-campus location with easy access to Campus Shuttles

State Farm Research Center at the University of Illinois Research Park
2001 South First St. (Suite 102), Champaign, IL 61820

Apply to: www.statefarm.com/careers and click "Search Jobs"

Reference Job Opening #:

- 25716 - Spring 2012
- 28090 - Summer 2012

Eligibility of Employment: Applicants must be authorized to work in the United States at the time of hire. State Farm only provides sponsorship when there is a business need.



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Undergraduate Actuarial Science Internships

Key Responsibilities

Actuarial Research interns will work closely with State Farm actuaries, statisticians and managers on the completion of various research projects. Interns may collaborate with industry, university and software experts regarding new methods and practices. Students will work with large insurance databases to solve specific insurance problems. Projects will have direct application to State Farm's actuarial work and will include:

- Statistical modeling and data mining techniques
- Developing new pricing methodologies
- Applying current techniques and practices to implement pricing decisions
- Researching statistical approaches to solve insurance problems

All students will have a culminating experience consisting of a presentation of their results to State Farm corporate departments and internal publication of a research paper.

Desired Knowledge, Skills, Abilities

- Majors: Actuarial Science, Finance and Mathematics
- GPA overall and in math courses of 3.0 or higher desired
- Completion of actuarial exams a plus
- Data analysis and experience with statistical and database tools a plus
- Statistical modeling, forecasting, generalized linear model experience a plus
- Statistical based computer programming (especially using SAS, SQL, or Visual Basic)
- Communication and presentation skills

For dates, location and application process... see references above



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Undergraduate Statistics Internships

Key Responsibilities

Actuarial Statistics interns will work closely with State Farm actuaries, statisticians and managers on the completion of various research projects. Interns may collaborate with industry, university and software experts regarding new methods and practices. Students will work with large insurance databases to solve specific insurance problems. Projects will have direct application to State Farm's actuarial work and will include:

- Statistical modeling and data mining techniques
- Developing new pricing methodologies
- Insurance statistical model development in forecasting, loss distributions and generalized linear models.
- Researching statistical approaches to solve insurance problems

All students will have a culminating experience consisting of a presentation of their results to State Farm corporate departments and internal publication of a research paper.

Desired Knowledge, Skills, Abilities

- Majors: Statistics or Mathematics
- GPA overall and in math courses of 3.0 or higher desired
- Data analysis and experience with statistical and database tools a plus
- Statistical modeling, forecasting, generalized linear model experience a plus
- Statistical based computer programming (especially using SAS, SQL, or Visual Basic)
- Communication and presentation skills

For dates, location and application process... see references above



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Graduate Internships

Internships may be hourly pay or take the form of teaching assistantships depending on availability.

Key Responsibilities

Actuarial Research interns will work closely with State Farm actuaries, statisticians and managers on the completion of various research projects. Interns may collaborate with industry, university and software experts regarding new methods and practices. Students will work with large insurance databases to solve specific insurance problems. Projects will have direct application to State Farm's actuarial work and will include:

- Statistical modeling and data mining techniques
- Researching statistical approaches to solve insurance problems
- Dynamic Risk Modeling and Risk Management Techniques
- Simulation, Portfolio Optimization, Equities and Bond pricing estimation, forecasting, distribution analysis, core allocation and risk sharing.

All students will have a culminating experience consisting of a presentation of their results to State Farm corporate departments and internal publication of a research paper.

Desired Knowledge, Skills, Abilities

- Majors: Actuarial Science, Statistics, Mathematics, Finance, Economics, Financial Engineering.
- GPA overall and in math courses of 3.2 or higher desired
- Completion of actuarial exams a plus
- Statistical and financial modeling
- Computer programming (especially SAS, SQL, or Visual Basic)
- Communication and presentation skills

For dates, location and application process... see references above