JOHN KOO

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EDUCATION

Tarleton State University, Stephenville, TX
MS, Mathematics, GPA: 4.0   August 2015 (Expected)

New York University, New York, NY
BA, Mathematics and Physics, GPA: 3.2   August 2012

EXPERIENCE

Center for Agribusiness Excellence, Stephenville, TX   June 2014-Present
Graduate Research Assistant
- Developed methods to validate crop insurance claims using data mining and machine learning techniques.
- Developed statistical models to predict crop yields using weather and satellite data.

DEKA Research and Development Corporation, Manchester, NH   January 2014-May 2014
Software Test Engineer
- Developed software tools for internal testing purposes.
- Developed and implemented automated software tests.
- Developed and implemented software debugger tests.
- Participated in weekly code reviews.

FDM Group, New York, NY   June 2013-January 2014
Murex Support Analyst (Trainee)
- Completed a course on Murex support.
- Developed familiarity with UNIX, SQL, and Excel/VBA.
- Completed training courses with distinction.

Match Education, Lawrence, MA   August 2012-June 2013
Mathematics Teaching Fellow
- Taught high school Algebra and Geometry to 9th and 10th grade students.
- Created unique teaching materials for a wide range of skill levels.

New York University, New York, NY   May 2011-December 2011
Research Assistant
- Designed and implemented large-scale Monte-Carlo simulations for stochastic processes based on physical phenomena.
- Collected and analyzed data from simulations to make various predictions.

RELEVANT SKILLS

- **Programming Skills:** Python, R, C, Matlab, SQL/PLSQL, LaTeX, CUDA, VBA

- **Certificates and Credentials:** FDM Training, MTEL Mathematics 09 Exam (for teaching licensure)