

Data Science Development Program



Program Highlights

MassMutual offers a Data Science Development Program (DSDP) in Amherst, MA that trains promising, recent graduates to become well-rounded data scientists over a period of three years. The program combines rigorous academic coursework at the University of Massachusetts and practical data science projects for MassMutual—a unique and valuable combination.

Students in the development program work closely with senior data scientists and can simultaneously enroll in a Master's degree program at UMass Amherst. Our goal is that at the end of the program, you are offered a position as a data scientist with MassMutual, ready to successfully direct your own data science projects.

Academic Rigor

Each member of the program spends part of their time completing a blended curriculum coursework at UMass Amherst, in-house workshops led by local faculty, and online courses (e.g., via [Coursera](#)). The coursework is customized to address individual weaknesses/interests and guided by advisors. Typical coursework encompass upper-level computer science classes, such as machine learning, graphical models, natural language processing, and databases, and upper-level statistics classes, such as mathematical statistics, applied regression, multivariate analysis, and applied experimental design.

Practical Industry Experience

Equally as valuable as formal academic training, members of the DSDP are fully immersed in high-impact data science projects for MassMutual under the direction of a senior data scientist. We provide every member the opportunity to learn new methods and gain exposure to different facets of a large organization, by contributing to at least two projects each year. Data science projects typically involve statistical data analysis, predictive analytics and machine learning as well as developing web-based interactive visualization tools.

Challenging and Fun!

Our work environment has a collaborative, start-up culture and serves as a joint classroom and workplace for DSDP members and senior data scientists. We hold weekly lab meetings to present technical ideas, new models, or interesting code libraries. We also sponsor biannual internal data challenges with friendly competition and prizes, similar to the growing trend of datafests and hackathons.

Basic Qualifications:

- Bachelor's Degree in Computer Science, Statistics, Mathematics, Physics or related discipline
- Able to take Graduate courses concurrent with a full time work schedule
- Ability to provide evidence of technical proficiency that could form the basis of fundamental data science skills.

Preferred Qualifications:

- Solid quantitative and computational skills
- Self-motivated, enthusiastic learner
- Ability to contribute in a collaborative work space

Timeline

- Accepting applications December 15 - March 3, 2017
- Acceptance decisions by April 4, 2017
- Full-time positions will start June 5, 2017

*Please visit www.massmutual.com/careers to officially apply. You must then also apply through the DSDP website at <http://datascience.massmutual.com/development/apply>. Further instructions in regards to a portfolio you are required to submit will also be found there.

Questions?

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