Gene Dan, ACAS

PHONE: (832) 656 - 0131   EMAIL: gene@genedan.com

AREAS OF EXPERTISE

SKILLS:	Predictive Modeling, Data Visualization, Programming
PROGRAMMING LANGUAGES:	R, Scala, Python, SAS, C++, SQL
MARKUP LANGUAGES:	LaTeX, Markdown, HTML
SOFTWARE:	Bash, Git, Linux, SQL Server, Azure, Spark

WORK EXPERIENCE

AUG 2017 - *Current*
CHICAGO, IL

MILLIMAN
Associate Actuary - Advanced Analytics and Data Solutions

•Serve as a data scientist and cloud expert for a startup practice aimed at transitioning clients from local to large-scale, parallel computing environments
•Work with an insuretch accelerator to provide ratemaking expertise for startup companies
•Build predictive models to determine the main drivers of lapse rates and mortality for large life insurance clients
•Perform sentiment analysis on social media networks to detect emerging medical malpractice and cybersecurity risk
•Provide sales support and draft proposals for the acquisition of new clients

AUG 2015 - JUN 2017
CHICAGO, IL

ALLIANZ AGCS
Senior Actuarial Analyst - Claims Predictive Modeling

•Developed commercial property and inland marine fraud detection models using logistic regression with full implementation into the special investigation unit.
•Constructed a triage model to optimize the assignment of claims to claims adjusters for commercial property
•Built tools to monitor the performance of fraud and subrogation models post-implementation
•Obtained model feedback from claims adjusters, SIU investigators, and claims managers, and presented model results to senior management

AUG 2014 - AUG 2015
CHICAGO, IL

ARGO GROUP INTERNATIONAL HOLDINGS
Actuarial Analyst - Analytics and Research

•Constructed logistic hit ratio models to optimize submissions triaging for excess and surplus lines
•Used generalized linear modeling to develop tiering models and construct rating algorithms for small business and public entities
•Used cluster analysis to classify policies and improve credibility in ratemaking

MAR 2011 - JUL 2014
HOUSTON, TX

HCC INSURANCE HOLDINGS
Actuarial Analyst

•Developed generalized linear models for personal aviation, commercial surety, kidnap and ransom, and commercial product tampering lines - responsible for modeling, cross validation, presentation, and implementation of results
•Developed marketing models to reduce the costs and increase the effectiveness of targeted advertising
•Calculated rate indications for large accounts - professional sports liability, games of chance, and workers' compensation
•Performed quarterly reserve reviews for personal aviation, military aviation, and commercial marine lines of business

NOV 2010 - MAR 2011
HOUSTON, TX

AIG - VALIC
Actuarial Intern - Capital Modeling

EDUCATION

2006 - 2010 **The University of Texas at Austin**
B.S. Mathematics
B.A. Economics Honors Program
B.A. Plan II Honors Program

Honors: Phi Beta Kappa, Phi Kappa Phi, Omicron Delta Epsilon
GPA: 3.85