

# Carl Corder

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## SOA EXAMS

- Exams: SRM - Jan 2023 | IFM - March 2022 | FM - Oct 2019 | P - Jan 2019
- VEEs: Economics - July 2022 | Accounting and Finance - July 2022 | Mathematical Statistics - Feb 2020
- Modules: Pre-Actuarial Foundations - Aug 2022

## EXPERIENCE

### Actuarial Assistant

Security Benefit - Model Development

July 2021 – Present

Overland Park, KS

- Perform model updates, testing and documentation in Prophet US360 and NAUS libraries
- Assist with Prophet US360 model conversion of FA and FIA products for GAAP LDTI initiative
- Automate assumption updates, job submissions and model walks in Prophet Enterprise
- Build tools using Python, C# and Prophet APIs to increase modeling team efficiency

### Software Developer

Athene - Actuarial IT

May 2020 – July 2021

Des Moines, IA

- Developed software and ETL pipelines to aggregate data across multiple policy admin systems
- Generate MG-ALFA model inputs such as AILs for fixed and indexed annuities, Account Value Roll Forward and Cohort History files for the model development team

### Software Developer

Ameritas - Data Warehouse

Nov 2018 – Nov 2019

Lincoln, NE

- Created middleware applications to integrate Group Insurance data lakes
- Implemented a highly concurrent Batch job in Java for delivering financial reports
- Developed custom visualizations in Cognos Analytics for the underwriting and marketing department

## PROJECTS

### Actuarial Applications in Practice

[Source Code](#)

- Worked with Lincoln Financial Group to model "Return to Needed" by duration for short-term disability insurance
- Identified profitable segments of the business and presented a proposal for actionable improvement

## TECHNICAL SKILLS

<b>Languages</b>	Prophet, Python, R, SQL, VBA, C#, Java, Powershell, Javascript, HTML, CSS
<b>APIs</b>	Prophet Professional API, Prophet Enterprise API, Flexible Results API
<b>Libraries</b>	Pandas, Xlwings
<b>Databases</b>	SQL Server, PostgreSQL, Firebird, Access
<b>Dev Tools</b>	Excel, Pycharm, Visual Studio, Power BI, SSMS, Git, Flyway, Jenkins

## EDUCATION

### University of Nebraska Lincoln

M.S. Actuarial Science | GPA 3.8

Teaching Assistant in Econometrics

Aug 2017 – Dec 2019

### University of Nebraska Kearney

B.S. Math, Physics & C.S. | GPA 3.8

Research Fellow

Aug 2004 – May 2011