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# PAUL FRYDRYK

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99 Thompson Street, Palmer, MA 01069 ♦ C: 413-668-5937 ♦ [PaulFrydryk@gmail.com](mailto:PaulFrydryk@gmail.com)

**Objective:** To employ my actuarial experience in an industry I am more passionate about, adapting my machine learning and analytical skills, as well as my ability to grasp new concepts to purposes outside traditional roles.

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## EDUCATION

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**Bachelor of Science:** Actuarial Science

Minor in Computer Science, Minor in Economics

**Western New England University** – Springfield MA, Graduated May 2019

**Clubs:** Actuarial Science Club - (Treasurer),

Pi Mu Epsilon (National Mathematics Honor Society) - (Treasurer)

**Relevant Courses:** Machine Learning, Stochastic Processes, Data Structures, Applied Regressions and Time Series, Mathematical Statistics

**Actuarial Exams:** Probability (P), Financial Mathematics (FM), Investments and Financial Markets (IFM), Short Term Actuarial Mathematics (STAM), Long Term Actuarial Mathematics (LTAM), Statistics for Risk Modeling (SRM), Predictive Analytics (PA)

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## SKILLS

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**Programs:** Python, SQL, R, Java, Excel, Power BI, Access, Mathematica

- Experience fitting Machine Learning algorithms to health insurance industry data using Python
  - e.g. Optimizing Long Term Disability rates, fitting neural networks/random forests/support vector machines to model claim costs
- Proficient at creating regression models from data in R

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## WORK HISTORY

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**Actuarial Associate III, Benefits Pricing/Valuation**

September 2019 to Current

**Symetra Life Insurance** – Enfield, CT

- Perform rate refreshes on Long Term Disability, Short Term Disability and Group Life rate manuals, assist in state filings
- Leverage machine learning knowledge in Python to solve optimization problems, automate repeatable tasks
- Create/maintain the company's first mortality study for group life product
- Host company-wide Lunch and Learn sessions, facilitating new speakers each month
- Utilize various completion factor techniques to update Short Term Disability completion factors

**Actuarial Intern,**

May 2019 to September 2019

**Symetra Life Insurance** – Enfield, CT

- Assist in refreshing manual rates for Long Term Disability
- Utilize various machine learning algorithms to optimize manual factors
- Partake in department meetings and actuarial modernization