



Luis Rodriguez

ACTUARIAL ANALYST

Omaha, Nebraska

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Employment

Actuarial Analyst

Omaha, Nebraska

TELOS ACTUARIAL

Feb 2024 - Present

- Automated ETL pipelines using Azure, Microsoft Access, and SQL to streamline reserving workflows, improving efficiency and accuracy in client deliverables. Developed and implemented projection models for rate increase filings, combining actuarial techniques with data engineering to support timely financial forecasts. Created custom tools in Python, R-Studio, and SQL to address diverse data challenges, minimizing manual effort and errors. Built user-friendly applications to visualize internal data, making complex information accessible to stakeholders.

Financial Planning Analyst

Omaha, Nebraska

LUDACKA WEALTH PARTNERS

April 2022 - Feb 2024

- Collaborated with the Chief Investment Officer to design valuation models for Signature Choice portfolios, aligning with client risk tolerance and investment goals. Prepared and recommended PX (financial plans) for clients with net worths exceeding \$100 million and for Northwestern Mutual executives, delivering complex, customized solutions. Oversaw the creation of all PX models for the firm's clients, ensuring accuracy and consistency. Prepared applications and worked with Northwestern Mutual's jumbo underwriters to meet underwriting requirements for large cases with premiums over \$50,000. Passed Series 7 and Series 63 exams to facilitate client investments and ensure regulatory compliance.

Financial Representative Intern

Omaha, Nebraska

NORTHWESTERN MUTUAL

Nov 2021 - April 2022

- Developed foundational skills in networking, client relationship management, and business development to support client financial planning needs. Assisted in preparing financial plans and insurance solutions, applying analytical skills to align client goals with appropriate products. Gained exposure to insurance products and risk management strategies, enhancing understanding of the insurance business. Supplemented mathematical expertise with sales training, improving the ability to convey complex financial concepts to clients.

Mathematics Tutor

Omaha, Nebraska

UNIVERSITY OF NEBRASKA-OMAHA COLLEGE OF BUSINESS ADMINISTRATION

Aug 2020 - Dec 2021

- Provided over 3000 minutes of one-on-one tutoring per semester, managing a scheduling platform and helping students with complex mathematical concepts.

Cashier

Grand Island, Nebraska

RUNZA RESTAURANTS

Sep 2017 - Aug 2019

- Customer service role with responsibilities in transactions and on-the-job training.

Education

University of Nebraska-Omaha

Omaha, Nebraska

BACHELOR OF ARTS IN ECONOMICS

Aug 2019 - May 2023

- GPA: 4.0
- Concentration in Data Analytics

BACHELOR OF SCIENCE IN MATHEMATICS

- GPA: 4.0
- Concentrations in Statistics and Data Science

Grand Island Senior High School

Grand Island, Nebraska

HIGH SCHOOL DIPLOMA

2015 - 2019

Research

Linear Algebra over Finite Fields
RESEARCH PAPER
• Explored the behavior of numerical ranges over finite fields in higher dimensions, focusing on patterns in $\mathbb{Z}_p[i]$ (where p is prime, congruent to 3 modulo 4). This study helped develop strong skills in abstract mathematics and advanced linear algebra concepts.

University of Nebraska - Omaha
Fall 2021 - Spring 2022

Operations Research
PUBLISHED HONORS THESIS
• Published thesis titled 'Optimizing Wedding Venue Selection Process Using Integer Programming,' which applied operational research techniques to optimize venue selection. Developed a model in IBM ILOG CPLEX, balancing constraints such as guest count, costs, and location. The work was recognized for its innovation and practical application.

UNO Honors Symposium
Spring 2023

Presentations

UNO Creative Activity Fair
UNIVERSITY OF NEBRASKA - OMAHA
• Presented research on linear algebra over finite fields, showcasing patterns in $\mathbb{Z}_p[i]$ spaces and communicating abstract concepts effectively.

2022

Nebraska-SE South Dakota MAA Conference
MATHEMATICAL ASSOCIATION OF AMERICA (MAA)
• Delivered a presentation on findings in linear algebra over finite fields, focusing on numerical ranges and higher-dimensional patterns.

2022

UNO Honors Symposium
UNIVERSITY OF NEBRASKA - OMAHA
• Presented 'Optimizing Wedding Venue Selection Process Using Integer Programming,' a practical application of operations research, which received positive feedback for its real-world relevance and innovative use of optimization.

2023

Skills

Dashboard Software
TABLEAU, POWERBI

Programming Languages
SQL, PYTHON, R, REGULAR EXPRESSION, JAVA, JAVASCRIPT

Markup Languages
HTML, LATEX, RMARKDOWN

Microsoft Office
ACCESS, EXCEL, OUTLOOK, ONENOTE, POWERPOINT, WORD

Languages
ENGLISH, SPANISH

Leadership Experience

UNO Honors Student Association
TREASURER
• Managed financials for the association, including fundraising and reimbursements.

University of Nebraska - Omaha
May 2020 - May 2021

Grand Island Public Schools District
SCHOOL BOARD STUDENT REPRESENTATIVE
• Represented over 4,000 students, engaging with administrators to inform decisions for future student opportunities.

Grand Island, Nebraska
Aug 2018 - May 2019

Awards & Honors

Honor Roll
CHANCELLOR'S LIST (8 TIMES)
• Earned a perfect GPA of 4.0 for a semester.

University of Nebraska - Omaha
2019 -> 2023

DEAN'S LIST (8 TIMES)
• Earned a GPA of 3.5 or higher for a semester.

2019 -> 2023

Phi Kappa Phi

PRESTIGIOUS HONORS SOCIETY

<https://bit.ly/PKPLuisVerification>

2020

- One of the nation's oldest and most selective multidisciplinary collegiate honor societies, inducting students in the top 7.5% of their class.

Pi Mu Epsilon

MATHEMATICS HONORS SOCIETY

University of Nebraska-Omaha

2021

- Recognizing high-achieving students pursuing mathematics.

Omicron Delta Epsilon

ECONOMICS HONORS SOCIETY

University of Nebraska-Omaha

2020

- International honors society recognizing scholastic achievement in economics.

Susan Thompson Buffett Scholarship

SCHOLARSHIP RECIPIENT

University of Nebraska-Omaha

2019

Jack and Lucile Martin Scholarship

SCHOLARSHIP RECIPIENT

University of Nebraska-Omaha

2019

Economics & Business Experience

UNO Economics Club

PRESIDENT

University of Nebraska - Omaha

Aug 2021 - May 2023

- Led club activities, including planning and managing events that aligned with club objectives.

TREASURER

Jan 2020 - Aug 2021

- Managed club finances, including fundraising and reimbursements.

UNO Financial Management Association

VICE-PRESIDENT

University of Nebraska - Omaha

Sep 2021 - Jan 2022

- Collaborated with officers to run organization operations.

Certifications

Society of Actuaries

EXAM FM: FINANCIAL MATHEMATICS

April 2024

EXAM P: PROBABILITY

July 2024

EXAM SRM: STATISTICS FOR RISK MODELING

September 2024

EXAM PA: PREDICTIVE ANALYTICS

October 2024

FINRA

SERIES 63: UNIFORM SECURITIES AGENT STATE LAW EXAM

2023

SERIES 7: GENERAL SECURITIES REPRESENTATIVE EXAM

2023

NAIC

INSURANCE PRODUCER: LIFE, ANNUITIES, & HEALTH

2021

- NPN ID: 20190700

CITI Program

GROUP 3: SOCIAL AND BEHAVIORAL COURSE

2021

- Credential ID: 46348703