

# Brian Buchanan

Queens, NY | [Linkedin.com](https://www.linkedin.com/in/brianbuchanan) | [brianbuchanan-official.github.io](https://brianbuchanan-official.github.io)

## Summary

Finance and data professional with actuarial science background, using Python and Excel to analyze data, model outcomes, and support operational and financial decision-making. Open to roles across finance, analytics, insurance, or business intelligence.

## Education

### Baruch College (CUNY)

B.A., Actuarial Science (STEM-Focused Program)

New York, New York

May 2024

### Queensborough Community College (CUNY)

A.A.S., Accounting

Bayside, New York

May 2020

## Key Skills

**Data & Programming:** Python (pandas, NumPy, matplotlib), basic SQL, Jupyter Notebooks

**Finance & Modeling:** Loan amortization, Monte Carlo simulation, time value of money, bond/interest math

**Analytics & Tools:** Excel (pivot charts/tables, functions, dashboards), data cleaning, scenario & sensitivity analysis

**Domain Knowledge:** Actuarial mathematics, insurance products, financial regulation (SIE), life & health licensing

**Communication & Client Insight:** Needs assessment, visual storytelling, simplifying technical data into decision value

## Experience

### Bankers Conseco Life Insurance Company

Feb. 2025 - Aug. 2025

Financial Professional

- Conducted client financial needs assessments and presented insurance-based risk mitigation strategies using Excel scenario modeling.
- Built simple financial projection models to visualize retirement income gaps, premium affordability ranges, and long-term cost impact.
- Prospected and converted leads through targeted outreach, resulting in increased booked appointments and expanded referral flow.

### YMCA

Mar. 2019 - Apr. 2020; May 2023 - Present

Lifeguard

- Supervised aquatic safety operations and team training for up to 40 patrons per session; achieved zero safety incidents under my watch.
  - Delivered CPR, first-aid, and emergency response support enhancing facility readiness and risk control
- Certifications: YMCA Lifeguard, BLS/CPR

## Projects

**Loan Amortization Model (Excel):** Built FM-style amortization schedule with principal/interest separation and balance decline visualization.

**Monte Carlo Investment Simulation (Python):** Modeled 1,000 return paths to analyze distribution, median results, and downside risk outcomes.

## Certifications

- Securities Industry Essentials (SIE) — FINRA (Feb 2025)
- New York Insurance Producer — Life, Accident & Health — NYS Dept. of Financial Services (Feb 2025)
- New Jersey Insurance Producer — Life, Accident & Health; Variable Life & Variable Annuity — NJ Dept. of Banking & Insurance (May 2025)
- Florida Insurance Producer — Life, Health; Variable Life & Variable Annuity — Florida Dept. of Financial Services (Apr 2025)

## Relevant Coursework & Professional Training

- Coursework: Theory of Interest · Intro Probability · Short-Term Insurance Mathematics I & II · Inferential Statistics · Algorithms, Computers & Programming · Corporate Finance · Business Statistics
- Training: AHIP 2026 Medicare + FWA · NAIC Best Interest Annuity Suitability (FL & NJ) · NY 4-Hour Annuity Training
- Macquarie University — Statistics & Data Analysis Specialization (In Progress Completion)