

EDUCATION (SKILLS)

MS-ADS: Master of Science in Applied Data Science @ University of Chicago Broad education using data science to solve business problems (<i>Python/R, Power BI/Tableau/Streamlit, MySQL/MongoDB/neo4j, Docker, Spark/Hadoop, sklearn/PyTorch/TensorFlow, Linear Algebra, Reinforcement Learning, NLP, Computer Vision</i>). Won "Best in Show" for Capstone Project.	May 2022
ASA: Associate of the Society of Actuaries @ Society of Actuaries Passed rigorous exams, modules, and courses over a span of 8 years (<i>Actuarial Science, Finance, Statistics</i>).	Feb 2016
B.S. Mathematics - Actuarial Science Emphasis @ Utah State University Minors in Economics and Statistics. Cum Laude.	Dec 2010

EXPERIENCE (SKILLS)

Data & Analytics Consultant @ Bryce Chamberlain LLC <ul style="list-style-type: none">Automated end-to-end data pipeline pulling minutely data from an API and organizing it into a clean analytical database (<i>Python, Docker, Cron/Linux, Polars, Parquet, DuckDB, Git</i>).Audio processing and matching via neural network (<i>Python, PyTorch, Ffmpeg, Git</i>).Distribution fitting algorithm in Excel via Python for Excel (<i>Python, Excel</i>).Fitting and explaining tree-based models with CMS medicare reimbursement data (<i>Python, R, Data Extraction/Cleaning, sklearn, SHAP</i>).Automated reporting from complex data sources (<i>R, RMarkdown, Excel, Mixpanel, Git, JSON, ggplot, Highcharts, Plotly, JavaScript, CSS</i>).Monte-carlo simulation for capital modeling (<i>R, copula, distribution fitting, code optimization</i>).	Present Jan 2024
Principal Consultant @ Oliver Wyman Actuarial Consulting (Property & Casualty) <ul style="list-style-type: none">Predictive and exploratory claims modeling (<i>Python, R, XGBoost, GLM, Clustering, SHAP</i>).Built two web-based products from ideas into national offerings with over \$4 million combined revenue (<i>R, R Shiny, Highcharts, Product Management</i>).Grew a profitable and happy team of 5 developers. Responsible for hiring, training, mentoring. Managed over 20 projects at a time and over 900 hours of work each month (<i>Leadership, Product Management</i>).Developed a novel approach to serving apps on AWS at minimal cost for licenses and compute (<i>AWS, Docker, Linux, R, R Shiny</i>).Negotiated national IT transitions to minimize client and team impact (<i>IT Security, Product Management</i>).Represented firm in trade magazines (<i>Contingencies Magazine, Git</i>), webinars (<i>Casualty Actuarial Society, Git</i>), and speaking opportunities (<i>RIMS, Gamma Iota Sigma, Data Mining/Visualization</i>).Expanded and published the R package "easyr" (<i>R Package Management, CRAN, Licensing</i>).	Jan 2024 Oct 2017
Sr. Information Analyst, Sales Operations @ The Vitality Group (Health Insurance) <ul style="list-style-type: none">Salesforce.com support including development, front-end design, admin, custom integrations/automation, alerts, analytics, and marketing automation (<i>Salesforce.com Admin & Developer, Visualforce, Apex/Java</i>).Designed, developed, and deployed solutions including cost modeling, document automation with VBA, web development, custom analytics and dashboards, monitoring and integration for lead-generation, statistical model selection, analyzing and propensity-matching data, and data extraction (<i>VBA, SQL, Excel, MS Word, Salesforce.com, Javascript, D3, R, Statistics</i>).	Oct 2017 Feb 2015
Actuarial Analyst @ Anthem (Health Insurance) <ul style="list-style-type: none">Established best practices for application design/implementation and SQL queries. (<i>SQL</i>)Built, implemented underwriting application using Access with embedded Excel (<i>VBA, Excel, MS Access</i>).	Feb 2015 Aug 2013
Actuarial Analyst @ The Vitality Group (Health Insurance) <ul style="list-style-type: none">Worked with an international team in the US, UK, South Africa, and China.Designed and performed propensity matching analysis which won a C. Everett Koop Award.	Aug 2013 Apr 2011