

Ryker Dolese

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EDUCATION

B.S. STATISTICS & B.A. SPORT ANALYTICS | Rice University, Houston, TX | GPA: 3.96

Aug '22 – Dec '25

MINORS IN DATA SCIENCE | FINANCIAL COMPUTATION & MODELING

RELEVANT COURSEWORK: Statistics and Probability | Multivariable Calculus | Data Science Tools & Models | STAT Machine Learning
Engineering Computation | Linear Algebra | Linear Regression | R for Data Science | Economics

HIGH SCHOOL DIPLOMA | Isidore Newman School, New Orleans, LA | GPA: 4.81/4.00 (weighted)

Aug '18 – May '22

Salutatorian | SAT: 1560

WORK EXPERIENCE

BUSINESS INTELLIGENCE INTERN

Fidelity Bank | New Orleans, LA | May '23 – Present

- Spearheaded the development of an executive dashboard in Power BI, presenting a comprehensive overview of loans, direct deposits, CDs, fees, and mortgages. Solely responsible for delivering these findings to top-level executives, receiving special recognition from the CEO and COO for the dashboard's instrumental role in informing strategic actions
- Drove top-level decisions to reallocate employees and provide targeted training, leveraging dynamic ad-hoc reports on customer interactions and teller transactions, resulting in a 10-30% increase in customer satisfaction scores across branches
- Exemplified seamless cross-functional collaboration, driving the implementation of automation solutions harnessing Azure SQL Databases, Salesforce, VisualCron, nCino to extract, clean, and visualize data for Commercial and Small Business SVPs

DATA ANALYTICS INTERN

Rice University Baseball | Houston, TX | Nov '22 – Present

- Captured high-quality video and meticulously tracked pitch data during bullpens, practices, scrimmages, and games with Trackman and BATS software contributing to an increase in win percentage by over 20% compared to previous season
- Efficiently edited, sorted, and disseminated video footage to over 40 players and coaches
- Analyzed and synthesized data to produce in-depth evaluations, showcasing strengths and areas for improvement
- Composed comprehensive scouting reports on upcoming opponents, leveraging video footage and statistics

RESEARCH INTERN

Access Health Louisiana | New Orleans, LA | May '21 – March '22

- Conducted thorough analysis of HIV prevention methods as part of a weekly journal club with 4 other team members, ultimately identifying pre-exposure prophylaxis as most effective with nearly 100% efficiency
- Gathered and analyzed patient data to ensure optimal follow-up and engagement with clinic, resulting in over 95% of patients remaining in care during internship
- Led the development and implementation of successful HIV outreach initiatives at public events such as "Parasols for Life" and several New Orleans Festivals
- Created engaging PowerPoint presentations to display departmental research findings to a wider audience

PROJECTS

HEART DISEASE MACHINE LEARNING PREDICTION

March '23 – May '23

- Developed a heart disease prediction model comparing KNN, logistic regression, and random forest algorithms, achieving a 90% efficacy rate in accurately predicting heart disease.
- Utilized multivariate analysis with principal component analysis (PCA) to reduce dimensionality and visually analyze data trends, enhancing data insights for improved decision-making.

CRYPTOGRAPHY IN PYTHON

Nov '22 – Dec '22

- Expertly crafted a Python Algorithm with an impressive 99% success rate in decrypting words or letters

"RICE" NEURAL NETWORKS


Oct '22 – Nov '22

- Exhibited advanced machine learning skills by training neural networks to identify transformed versions of letters r, i, c, e

BASEBALL ANALYTICS

Dec '21 – May '22

- Utilized z-tests and regression models in Excel to compile and analyze data on high school baseball team, placing 2nd in Louisiana State Science Fair and providing valuable insights for coaches and contributing to the best season in over a decade
- Generated a model in Python to strategically create the following season's schedule, maximizing seeding for playoffs

 <https://rykerdolese.github.io/>

SKILLS

PROFESSIONAL SKILLS

Data Analysis | Team Leadership | Process Improvement | Presentation Skills | Customer Service

TECHNICAL SKILLS

R | Python | Power BI | MS Excel | Google Sheets | MS Office | MATLAB