

# Ryker Dolese

504.330.1293 | rjd5@rice.edu | New Orleans, LA | [www.linkedin.com/in/ryker-dolese](https://www.linkedin.com/in/ryker-dolese)

---

## 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 for Data Science | Multivariable Calculus | Intro to Data Science | Engineering Computation | Intro to Sport Management | Principles of Economics

**HIGH SCHOOL DIPLOMA** | Isidore Newman School, New Orleans, LA | GPA: 4.81/4.00 (weighted)  
Salutatorian | SAT: 1560

Aug '18 – May '22

---

## WORK EXPERIENCE

---

### DATA SCIENCE INTERN

Rice Sport Analytics Team | Houston, TX | Nov '22 – Present

- Worked closely with a team of 40+ undergraduates to produce comprehensive scouting reports for Rice University's basketball and baseball teams, contributing to a current increase in win percentage by over 20%
- Developed a highly efficient web scraper in Python, automating 50% of scouting reports and uncovering valuable insights
- Successfully summarized findings in a clear and concise manner, using just 10 bullet points to effectively communicate key points

### BAG ROOM ATTENDANT

New Orleans Country Club | New Orleans, LA | May '22 – Aug '22

- Consistently provided top-notch service to members, establishing a warm and welcoming atmosphere in the golf shop
- Demonstrated strong interpersonal skills by engaging with members in a friendly and professional manner
- Exemplified strong organizational abilities by efficiently collecting and organizing golf balls and golf bags, often praised for maintaining a well-organized space
- Took on a leadership role by training 2 new hires and helping them acclimate to their roles

### 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

---

### 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

### SIR MODELING IN MATLAB

Sept '22 – Oct '22

- Simulated an SIR model in MATLAB to predict the propagation of a disease, such as COVID-19, using input variables including initial infected population, rates of infection, and loss of immunity to provide insight on our ability to halt spread of diseases

### BASEBALL ANALYTICS

Dec '21 – May '22

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

### CO-FOUNDER & CHIEF EDITOR FOR THE CURIE JOURNAL

Aug '21 – March '22

- Pioneered a scientific journal aimed at making scientific literature more accessible for youth, recruiting over a dozen writers
- Addressed a variety of topics, including new bioinformatics research and new methods of statistical exploratory analysis

LINK <https://github.com/rykerdolese/sharing-repository>

---

## SKILLS

---

### PROFESSIONAL SKILLS

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

### TECHNICAL SKILLS

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