

# Sydney Lieske

Sebring, FL | 863.414.7797 | [SydLie.19@gmail.com](mailto:SydLie.19@gmail.com) | [linkedin.com/in/sydney-lieske/](https://www.linkedin.com/in/sydney-lieske/) | [github.com/slie9](https://github.com/slie9)

## Education

---

### Florida Polytechnic University

Lakeland, FL

#### Bachelor of Science in Data Science

Concentration in Intelligent Mobility

Relevant Coursework: Statistical Learning, Machine Learning, Time Series, Data Mining & Text Mining

## Experience

---

### Florida Polytechnic University, Lakeland, FL

Feb 2023 - Present

#### Data Coordinator - Career Services

May 2023 - Present

- Develop comprehensive documentation on best practices, providing guidelines for accurate data entry and analysis
- Review and analyze data visualization techniques and dashboards, generating accurate reports and valuable insights on career center activities

#### Data Intern - Career Services

Feb 2023 – May 2023

- Utilize Handshake to analyze data and create customized dashboards, providing insights into student and employer behavior
- Conduct data entry to maintain accurate records of employer calls and student engagement supporting data-driven strategies for improving student outcomes and employer partnerships
- Evaluate employers and jobs for students, providing recommendations for job postings and opportunities that align with their skills and interests

## Projects

---

### Exploratory Data Analysis In R & Python

Fall 2022

- Conducted exploratory data analysis of a US traffic accident dataset with 2.8 million records, using R and Python to clean, analyze, and visualize the data
- Produced multivariate data visualizations and summary statistics to identify patterns and trends in the data, including the factors that contribute to the frequency and severity of accidents
- Extracted meaningful insights, such as the most common times, locations, and weather, when they are most likely to occur

### Time Series Analysis In Stata

Spring 2022

- Utilized statistical forecasting techniques to accurately predict non-seasonally adjusted estimates of average weekly earnings and total employment for private employers in the Orlando-Kissimmee-Sanford area
- Conducted in-depth statistical analysis, utilizing summary statistics, time series line plots, and correlation and partial correlation analyses to uncover key trends and relationships
- Developed predictive models and leveraged techniques such as variable selection and rolling window forecast to achieve accuracy and precision

### Recipe App in AWS

Spring 2021

- Collaborated as a group to build a web application that was deployed on AWS cloud web hosting and utilized a properly configured network environment
- Developed a fully functional website enabling users to post and save their favorite recipes
- Designed and implemented DynamoDB tables for efficient storage of user data, including email addresses and names

## Skills

---

- Programming Languages: R, Python, SQL, Stata
- Technical Skills: AWS, Tableau, PowerBI, Microsoft Excel, Microsoft Project