

# ZACHARY STURMAN

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## DATA ANALYST / PYTHON SOFTWARE DEVELOPER

### OBJECTIVE

To secure a Data Analyst or Python Software Developer position where my self-taught programming skills, technical knowledge, and passion for data analysis can be utilized.

A self-taught programmer who dedicated a year of studying for 6 hours a day, proficient in Python and experienced in Flask, Nginx, and MySQL. Passionate about data analysis and database architecture with excellent data visualization skills. Ready to bring technical expertise and problem-solving skills to a Data Analyst or Python Software Developer role.

### EXPERIENCE

- Created a dynamic productivity app using Flask as the framework and MySQL for database management pushing it to the web with the use of Nginx, Docker and uWSGI
- Improved user experience with the use of CSS, SCSS and Bootstrap to optimize web applications for mobile use without losing any full screen functionality
- Data analysis: "Examining the Effectiveness of Tip Redistributing in the Casino Industry" to retain disgruntled casino dealers at Ameristar casino in Colorado

### TECHNOLOGY

#### Programming

Python3, R, JavaScript, HTML/CSS, Jinja2, SQL

#### Modules and Libraries

Flask, NumPy, Pandas, Matplotlib, OpenCV, ThreeJS, Bootstrap

#### Database Management

SQLAlchemy, MySQL

#### Serverside

Nginx, Docker/ Docker-compose, uWSGI

### SKILLS

Database Architecture, OOP, JSON, HTTP Requests & APIs, Unit Testing & Error Handling

### EDUCATION

- Full Sail University, Bachelors - 2014
- Google Data Analytics Course, Certification - 2022