

# DIEGO ARREOLA

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## Education

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**Louisiana Tech University**  
*Bachelor of Science in Computer Science*

**Expected Graduation: May 2027**  
*Ruston, LA*

**GPA: 3.4**

## Work Experience

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### Freelance Web Developer

**Jul 2024 – Aug 2024**

*Website*

*Remote*

- Engineered and developed a responsive and dynamic website using **React**, **HTML**, **CSS**, and **JavaScript**, delivering an interactive and seamless browsing experience for **1000+** customers.
- Utilized **AWS S3** to deploy and host the website, ensuring high availability and scalability.
- **Collaborated** with the client, effectively **communicate** progress, and transform their requirements into a functional and engaging website

## Leadership Experience

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### Team Led - Privacy Dots

**Sep 2024 – Nov 2024**

*Louisiana Tech First-Year Projects Showcase, **First Place Winner***

- **Led a team of four** to design and develop a motion detection system that detects motion and sends notifications to a mobile app
- Managed **project planning**, **task delegation**, and **integration**, ensuring timely delivery and superior functionality
- Presented the project to judges, showcasing its **real-time capabilities** and **innovative design**

## Projects

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### FIFA World Cup Match Predictor | *Source Code*

**May 2024 - Jun 2024**

- Formulated an AI model in **Python** using the **Pandas** and **scikit-learn libraries** with **Random Forest** to predict future match outcomes for the FIFA World Cup, achieving **70%** accuracy
- Constructed a data pipeline that involved web scraping to collect player statistics, utilizing **BeautifulSoup** and **Pandas** to extract and organize data from a sports data website
- Aggregated data for over **1,000 players**, compiling a comprehensive dataset to train and validate the model, enhancing its predictive capabilities

### Privacy Dots WebApp | *Source Code*

**Sep 2024 - Nov 2024**

- Developed a web application using **React Native (Expo)** and **JavaScript** to display real-time motion detection notifications
- Integrated **Expo's Push Notification API** to seamlessly send alerts from the **Django** server to the web application in less than **1 second**

## Technical Skills

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**Languages:** Python, Java, HTML, CSS, JavaScript

**Developer Tools:** Git

**Libraries/Frameworks:** NodeJS, React, React Native, Expo, Pandas, BeautifulSoup, Django