

## Kyle Kirchgessner

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**Summary:** Computer science student with expertise in Python, Java, C, and SQL. Proficient in data modeling and cleaning data sets. Experienced in full-stack development and collaborative team environments, with a strong background in mathematics.

### EDUCATION

Bachelor of Computer Science  
Texas Tech University  
Lubbock, TX  
Expected graduation date: December 2025

### TECHNICAL SKILLS & PROJECTS

**Programming:** Python, Java, SQL, C, JavaScript, PHP, Django, Cygwin, Jupyter

**Design:** WebFlow, Canva

#### Power Consumption Project – *Data Modeling*

- Analyzed an existing measurement dataset of weather patterns and their resultant power consumptions.
- Engineered data models to predict consumption in 3 different zones of a city. Implemented using Python and Jupyter Notebook, predictions were determined using a regression model.

#### Fishing Calculator – *Data Science / Software Development*

- Developed a data-driven “fishing score” application using Python and Django. Assigned weighted values to wind speed, precipitation, humidity, temperature delta, etc. to calculate an intuitive “fishing score”, indicative of traditionally optimal fishing conditions.
- Crafted a user-friendly interface for the application, enabling anglers to input exact coordinates and date parameters to generate personalized fishing scores.
- Implemented using a combination of HTML, CSS, Python, JavaScript, and Django. Weather data was gathered directly using the NOAA's public API.

#### Portfolio Website – *Web Design* <https://kyle.kirchgessner.co>

- Created a professional portfolio website showcasing skills, projects, and experiences using HTML, CSS
- Implemented various functionalities and attention points using JavaScript.

### RELEVANT EXPERIENCE

#### City Bank

Lubbock, TX

##### Retail Teller

May 2024 – Present

- Communicated with team members and customers alike, ensuring direct communication and execution of each customer's needs in a high stress environment.
- Coordinated directly with 6 internal financial divisions to ensure customer activity remained legal and within company standards.

#### TMHS Robotics Club

Tomball, TX

##### Member

September 2018 – June 2020

- Collaborated in teams of 4-8 people to write and implement code for 15+ integrated circuits or robotic systems by testing and troubleshooting code and physical hardware.
- Presented each project, with a detailed description into the intricacies of each circuit, along with its underlying code. Each presentation was given to a group of 25+ peers.

## INVOLVEMENT & LEADERSHIP

Lubbock Animal Shelter – 41 Hours  
**Volunteer**

Lubbock, TX  
August 2022 – Present

- Provided care and attention to animals by feeding, grooming, and exercising them regularly.

## CERTIFICATIONS/AWARDS

### Awards

- **Presidential Merit Scholarship**, Texas Tech University

### Certifications

- **Responsive Web Design** – FreeCodeCamp, certified for competence in advanced HTML and CSS programming, as well as basic competence using the JavaScript programming language.
- **Java Precision Exam 840: Advanced Computer Programming**, certified for competence in advanced level computer programming using Java.