Kennett Puerto

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Education

Kentucky State University   August 2020 – May 2024
Bachelor of Science, *Computer Science with a focus on Information Security*
GPA 3.8

Experience

Undergraduate Research Assistant
- Currently working at Atwood Lab residing in Kentucky State University. In charge of design and developing advanced data visualization applications for Entomology research.
- Honed project management skills which enabled me to estimate my work efficiently and thrive in a high-pressure environment with strict deadlines.

KC7 Cyberattack Simulation   *Competitor*
- Practiced searching and analysis of online and local threats using Microsoft Azure. Threat Analysis consisted of finding data breaches, phishing instances, spoofing attacks and IP address tracking.
- Learned to work in a team and learned about how vital it is to help team members and ask for help in a competitive scenario.

Projects

Beesual Webapp
- Developed web application, designed to provide intricate insights into the temperature conditions inside beehives.
- It is powered by the dash framework and capitalizes on the capabilities of the Plotly graphing library.
- To achieve accurate temperature readings with a finite number of sensors of small range I used 3D interpolation methods. This makes the graph look visually appealing and responsive to what the graph is representing.
- It compelled me to establish a consistent and adaptable workflow, fostering substantial improvement in problem-solving abilities. This project not only harnessed my technical skills but also honed my capacity to innovate and surmount challenges effectively.

Versytile Forum
- Lead developer on the Versytile forum website. Was developed through the Django framework.
- Worked on frontend and backend. Implemented the two-factor verification, user configuration, user page, reCAPTCHA, password recovery, and UI features on said implementations.
- Worked in a SCRUM environment with 10 members.0

Breast Cancer Prediction
- Made a breast cancer prediction script in Python. It uses the K-nearest-neighbor to determine the class of breast cancer from a new sample.
- Improve accuracy to 96% from sample problem through re-scaling from scikit-learn library.
- Tools used for project where Python language, pandas, NumPy, and scikit-learn libraries.

Skills

Programming Languages:
- Experience with Python, HTML, CSS, C++, R, SQL, and Dash.

Software:
- Experience with Django framework, R Studio, Git, Tableau, and Plotly.

Languages:
- English and Spanish are fluent languages.

Relevant Courses:
- Operating Systems, Discrete Math, Data Mining, Data Management, Calculus, Computer Forensics.