Joey Paul Eli Haynes

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github.com/jpthefish

Profile

Collaborative and forward-thinking engineer and researcher with a working emphasis on quality and sustainability. Knowledge and experience in statistical analysis, computer/software engineering, and experimental design.

Experience

Research Assistant, University of Oklahoma; Norman, OK — August 2023–present
• Conducted exploratory data analysis and utilized machine learning algorithms to identify patterns and trends in bird migration and artificial light data, aiming to inform public policy
• Collaborated with 5+ researchers in the Gallogly College of Engineering and across departments

Grazioso Salvare Rescue-Animal Analytics Dashboard (GitHub)
• Created a full-stack analytics dashboard for a business using Python, MongoDB, and Dash
• Developed interactive data visualization components, including tables, charts, and a geolocation map, allowing stakeholders to access and filter animal shelter data by relevant criteria

Portfolio & Research Website — jpthefish.com (GitHub)
• Deployed a full-stack web application with daily traffic using React.js and Firebase
• Designed and implemented a responsive UX design with careful attention to visual accessibility

Sorting Algorithm Visualizer (GitHub)
• Developed an interactive UI using Python that visually illustrates the sorting methods of heap sort, merge sort, quick sort, and bubble sort

Sales Associate, Walmart; Yukon, OK – June 2020–present
• Enhanced stock and appearance of merchandise, driving over 5.5% YoY sales increase
• Trained and mentored 12+ employees, fostering professional development and job performance

Education

B.S. in Computer Science, Southern New Hampshire University; Manchester, NH – May 2024
• Minor in Applied Mathematics
• Cumulative GPA of 4.00/4.00

Skills

Technical Skills
• Languages: Python and SQL; R, Java, C/C++, MATLAB, and Javascript
• Data technology: PostgreSQL, MySQL, MongoDB, and Firebase/Firestore
• Tools and frameworks: Git, AWS, Docker, OpenGL, React, and Tableau

Certifications
• Google Advanced Data Analytics Professional Certificate; Google LLC and Coursera Inc.
• Business Management and Leadership Certificate, Bellevue University; Bellevue, NE

Hobbies, Interests, & Other Skills
• Intermediate Spanish language (B2) and French language fluency (B1)
• Performed classical and jazz piano for audiences of 20+ people