

Joey Paul Eli Haynes

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github.com/jpthefish

Profile

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

Education

B.S. in Computer Science, Southern New Hampshire University; Manchester, NH – Dec. 2023

- Minor in Applied Mathematics
- Cumulative GPA of 4.00/4.00

Experience

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
- Engineered a collaborative messaging platform where users can share ideas and feedback
- 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

Publications

Haynes, J.P. (2023) “Dynamics of Migration and Population Change” jpthefish.com/research

- Conducted exploratory data analysis and utilized machine learning algorithms to identify patterns and trends in population data, sharing reports and infographics with 5,000+ daily viewers

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, Angular, 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 (B1) and French language fluency (B2)
- Performed classical and jazz piano for audiences of 20+ people