Curriculum Vitae

Joey Paul Eli Haynes
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Education

B.S. in Computer Science, Minor in Applied Mathematics
Southern New Hampshire University, Manchester, NH
Expected Graduation: May 2024
Cumulative GPA: 4.00/4.00

Research Experience

Research Intern
Systems Realization Laboratory, University of Oklahoma, Norman, OK
August 2023–Present
• Conducted exploratory data analysis and utilized statistical and machine learning methods to identify patterns and trends in bird migration and artificial light data.
• Collaborated with interdisciplinary researchers to present research findings and work towards publishing a paper to inform public policy.

Technical Projects

Rescue-Animal Analytics Dashboard (GitHub)
• Developed a full-stack analytics dashboard for a business using Python, MongoDB, and the Dash framework.
• Implemented interactive data visualizations for an animal shelter's data analysis needs.

Sorting Algorithm Visualizer (GitHub)
• Created an interactive UI using Python to visually illustrate the sorting methods of heap sort, merge sort, quick sort, and bubble sort.

Design & Research Repository (GitHub)
• Deployed a full-stack web application with daily traffic using React.js and Firebase.
• Implemented a responsive UX design with careful attention to visual accessibility.

Service and Leadership Roles

Member, National Society of Leadership and Success (NSLS)
Trained and mentored 20+ employees during part-time work as an undergraduate

Honors and Awards

Alpha Sigma Lambda Honor Society

Technical Skills

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

Certifications

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

Languages and Other Skills

Spanish (Intermediate, B2)
French (Intermediate, B1)
Jazz and Classical Piano