

Jawuan Lewis

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EDUCATION

Arizona State University

Tempe, AZ

Master of Computer Science; GPA: 3.56

January 2025 – December 2025

Bachelor of Science in Computer Science; GPA: 3.61

August 2020 – May 2024

TECHNICAL SKILLS

Languages: Python, Java, C#, JavaScript, TypeScript, HTML, CSS, SQL

Frameworks/Libraries: React, Node.js, Express.js, ASP.NET

Tools & Platforms: AWS, Git, GitHub Actions, MongoDB, PostgreSQL, Jupyter Notebook, Figma, Jira

EXPERIENCE

Backend Engineer Intern | Cadent

February 2025 – May 2025

- Developed a robust pipeline to process real-time bidding (RTB) data from digital ad auctions, extracting 2,000+ structured fields to support downstream machine learning and analytics.
- Automated feature selection using SHAP to identify the top predictors of bid pricing, improving model efficiency and reducing input dimensionality by over 95%.
- Configured and trained predictive models to estimate ad inventory pricing, uncovering insights that can improve auction revenue by up to 75%.
- Engineered the workflow to support scalable retraining and seamless ingestion of new data from S3.

Software Engineering Intern | Warner Bros. Discovery

June 2024 – August 2024

- Developed a utility to auto-generate code documentation for internal testing frameworks using GitHub Actions and CI/CD pipelines, integrating into 90% of the team's test workflows.
- Designed and deployed a website to host the docs, allowing 10+ teams to enhance their understanding of quality engineering projects.
- Streamlined the process to be easily reusable for engineers interested in generating their own code documentation.

Software Development Engineer Intern | Amazon

June 2023 – September 2023

- Repaired the internal system that ensures data integrity for customer account information in Amazon Photos.
- Leveraged AWS to monitor and identify anomalies within customer data, upgrading the performance of 3 major data validation processes owned by the team.
- Created a script to scan large datasets and eliminate discrepancies, achieving 99.999% consistency across 10,000+ Amazon Photos accounts.

Software Development Intern | Sandhills Global

March 2022 – May 2023

- Built efficient web-based services using ASP.NET, internal APIs, and the MVC architecture with C# and JavaScript.
- Contributed to the development and maintenance of Snow Cloud, a workflow management platform utilized by companies to facilitate daily operations.
- Collaborated in an agile team to deliver full stack product updates, promoting intuitive navigation and generating positive reception from stakeholders.

PROJECTS

Hangman | Live Demo

React, Node.js, Express.js, MongoDB

- Developed a full-stack browser game where players guess themed words across 8 categories—movies, video games, sports, idioms, TV shows, food, animals, and cities.

Demographic Income Insights | GitHub Repository

Python, Pandas, Matplotlib, Jupyter Notebooks

- Analyzed and cleaned a U.S. Census dataset (32,000+ records) to uncover key demographic factors associated with income tiers (greater than or less than \$50,000).
- Crafted 5 targeted visual stories (e.g., age vs. income, education trends) to guide marketing outreach strategies for universities.