

# Jawuan Lewis

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## EDUCATION

### Arizona State University

Tempe, AZ

*Master of Computer Science; GPA: 3.5*

*January 2025 – December 2025*

*Bachelor of Science in Computer Science; GPA: 3.61*

*August 2020 – May 2024*

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, C#, SQL, GraphQL

**Frameworks & Libraries:** React, Node.js, Express.js, Quarkus, ASP.NET

**Tools & Platforms:** AWS, Git, MongoDB, Snowflake, Harness, GitHub Actions, Jupyter Notebook, Figma

## EXPERIENCE

### Software Engineer | Fullbay

*July 2025 – Present*

- Architected and delivered RESTful and GraphQL APIs for analytics data and customer configuration management, enabling secure, high-availability access to internal business intelligence at scale.
- Developed a public API gateway on AWS (Lambda, API Gateway) allowing customers to programmatically retrieve their analytics data while enforcing authentication, authorization, and rate-limiting.
- Led multiple backend refactors to improve the performance and scalability of data-driven services, reducing technical debt and strengthening the reliability of Fullbay's analytics infrastructure.

### 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.

## 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.