

Demetri Williams

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EDUCATION

Louisiana State University (LSU), Baton Rouge, LA

May 2027

Bachelor of Science in Computer Science Engineering, Concentration in Software Engineering

GPA: 3.25

Related Coursework: Artificial Intelligence, Database Systems, Software Systems, Advanced Data Structures & Algorithms, Programming Languages, Introduction to Cloud Computing, Operating Systems, IE Statistics, Systems Programming, Object Oriented Design, Discrete Structures, Numerical Methods

Academic Standing: Good Standing, Dean's List 2025, Summer Student 2025 (4.0 GPA)

Core Area Skills: Data Analysis, Generative AI, Reporting, Root Cause Analysis, Large Language Models, Dashboards, Google Cloud, Microsoft Office Suites, Datasets, Problem Solving, PowerPoint, Google Sheets, Anthropic Claude, Leadership, GitHub, Amazon Web Services (AWS), Azure, PyTorch, Google Analytics for Firebase, Reinforcement Learning, Cross-Functional Collaboration, Content Creation, Neural Networks, Model Training & Fine-Tuning Team, OOP, Communication, Process Optimization/Workflow, Scrum, Figma, Hi-fi design, Lo-fi Design, UX Design, AWS Builder Center

Programming Languages: Python, SQL, Java, C, Linux, Bash, C++, JavaScript, C#, HTML

EXPERIENCE

AI Trainer/ Quality Assurance Analyst

July 2025 – September 2025

TELUS Digital, (Remote Work from Home)

- Trained image recognition models by reviewing large-scale image datasets and correcting classifications to improve operational accuracy and reliability of computer vision systems.
- Performed diagnostic analysis to identify error sources, reduce misclassification rates, and improve training efficiency. Proceeded to provide actionable recommendations for process improvement across analytics.
- Documented training processes and outcomes via detailed reports and tracking metrics to support transparency, reproducibility, and continuous improvement in AI development.

AI Training Specialist / Generalist

May 2024 – December 2024

Outlier AI (Remote Work from Home)

- Conducted performance analysis and proofread AI outputs by reviewing model responses daily, ensuring accuracy and alignment with expected solutions to improve model reliability, providing actionable insights for system improvements and accuracy.
- Led root cause analysis on errors, helping identify patterns in outputs and highlighting common trends. Trained and fine-tuned AI models using real-world datasets and feedback loops to enhance the model's problem-solving capabilities and consistency, helping improve efficiency across large datasets.
- Collaborated with team members nationally and internationally to communicate ideas, maximize leadership skills, and strengthen cross-functional teamwork and operational excellence.
- Prepared descriptive data reports of my work and submitted them to engineers nationally and internationally. Analyzed and corrected AI errors by identifying patterns in incorrect outputs and providing actionable feedback to increase overall model performance.

PROJECTS

Texas Hold Em' Poker Bot

As a project member, I developed a reinforcement learning Texas Hold 'Em bot using PyTorch and Google DeepMind's Open Spiel framework to optimize strategy in limited-information environments. Implemented neural network components including dense input layers, multi-action output heads, and SoftMax activation functions, improving accuracy from 0% to 64% while reducing loss to 1.22%. Through iterative debugging and parameter tuning, the bot achieved stable performance and survived 37 hands against peer-designed bots. After construction, I evaluated system performance metrics and compiled a detailed engineering report highlighting our bots' analytics, performance trends, strengths and weaknesses, and overall operation. I presented my findings to engineering colleagues, showing courage along with enabling collaborative problem solving and intentional feedback, assisting in driving operational improvements. This project allowed me to showcase applied knowledge of reinforcement learning, game theory, and collaborative problem-solving in building a practical AI system and detailed analytics report, with a mix in of leadership, teamwork, and data storytelling.

Steam Achievement Fetcher

I developed a full-stack web application with the help of my team, that being a Steam Achievement Fetcher. This site integrates with the Steam API to generate random achievement challenges for users. Using Python (Flask) on the backend, I assisted with implementing Steam OpenID login, achievement fetching, and database logic with Firebase, while building a responsive frontend in HTML, CSS, and JavaScript for tracking dashboards and leaderboards to monitor user engagement, system uptime, and performance metrics. The system tracks streaks, manages friend connections, and ranks users competitively, encouraging engagement through social and gamified features. While collaborating with peers to foster engineering teamplay, I contributed to end-to-end operational success ensuring operational efficiency, system functionality, data integrity, and data, and base design to deliver a secure, user-friendly experience. Through this project, I developed stronger Computer Science skills and gained practical experience leveraging digital analytics in an OOP environment.

ACTIVITIES/EXTRAS

Student Influencer: College Life (TikTok) – Grew an audience of 30,000+ followers by documenting daily life as a Computer Science major. Leveraged the platform to build leadership skills, storytelling ability, connection with peers, and to inspire others to pursue STEM and computer science in college along while applying digital analytics. Within, I monitor content performance metrics such as user engagement, retention, follower growth, and more to inform innovation to the best posting strategies and enhance workflow efficiency, Insights I refer to within the app assist in topics such as high performing content patterns and overall audience reach. Respectfully engage with followers through direct messages, mentoring guidance on both academic topics and the broader student experience. Created analytics reports within TikTok's platform help drive excellent result and grasp peak performing strategies resulting to collaborations with multiple high-profile networking brands such as DoorDash, Versace, Niche, and many other companies.

Username - @himdemetrii

Link to Account - <https://www.tiktok.com/@himdemetrii>

National Society of Black Engineers (NSBE) – As of February 3rd, 2026, I am an active member of the National Society of Black Engineers (NSBE). By participating in professional development workshops, networking events, and initiatives focused on academic excellence, I plan to strengthen leadership growth, collaboration/teamwork skills, and career advancement within engineering and technology fields.

WICS Hackathon Participant 2026 – Participated in the LSU WICS Hackathon hosted from Friday, March 20th to Sunday, March 22nd. I created MoodBot, an interactive Python coded bot able to communicate motivational quotes and mini challenges based on emotions the user presents.

LinkedIn - <https://www.linkedin.com/in/demetri-williams-0370aa304/>

Active Study Group Member – Regularly meet with classmates to review coursework, share knowledge, and build technical and professional skills together. This involves preparing for exams, building on current projects, and strengthening our skills across the Computer Science field.

Intramural Sports Participant – Engaged in campus intramural leagues in both Basketball and Flag Football. Within, I've developed teamwork, leadership, and time-management skills while balancing STEM coursework.

Projects In Progress – Handoff (College buying and selling resale app) and PricePulser (relational SQL database for grocery store items across the Baton Rouge Metropolitan area)