# Kristion Bivens

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## EDUCATION

**Kennesaw State University**     **Aug 2025 - May 2029**

*Bachelor of Science, Computer Science - GPA 3.93*
- **Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Discrete Structures, Database Systems

## EXPERIENCE

**AI Developer**     **Jan 2026 - Present**

*AMD*
- Selected for AMD's AI Developer Program and collaborated with engineers and peers to build and optimize AI/ML solutions using AMD hardware and software ecosystems (ROCm, GPUs, accelerated computing), delivering prototypes that demonstrated improved inference speed on target platforms
- Designed, trained, and evaluated machine learning models with PyTorch and Python, focusing on performance optimization and efficiency, and deployed them on AMD platforms, achieving faster inference and meeting project deployment goals
- Gained hands-on experience with AI development workflows and model optimization using Agile methods and HCL, contributed to technical discussions, demos, and project deliverables, and helped the team meet industry-standard benchmarks for model accuracy and latency

**Model Validation Expert**     **Nov 2025 - Present**

*Handshake AI*
- **Identified 72 recurring LLM reasoning failure patterns through systematic, programmatic evaluation**, enabling targeted prompt refinements that **improved response reliability across production use cases**.
- **Delivered structured LLM evaluations and error analyses**, categorizing recurring failure modes to **drive a 46% improvement in model accuracy and consistency across multiple AI initiatives**.
- **Evaluated 100+ domain-specific prompts using structured LLM evaluation frameworks**, measuring clarity and consistency improvements that **increased response quality by 53% over baseline prompts**.

**AI Automation Extern**     **Nov 2025 - Dec 2025**

*Wayfair*
- **Architected and deployed 12+ production-grade AI agents using JavaScript in n8n** to automate trend detection, competitor tracking, and content generation workflows, **reducing manual research effort by 2+ hours per week per team**.
- **Engineered a SQL-backed, live-refresh analytics pipeline feeding a Google Sheets dashboard**, aggregating AI agent outputs and competitive benchmarks to **support real-time decisions for 8 category teams**.
- **Delivered 12 in-depth market trend analyses with 89% predictive accuracy**, synthesizing consumer demand signals, pricing shifts, and competitor campaigns to **direct category-level strategy decisions across the home-goods portfolio**.

**Code Sensei Instructor**     **Jan 2025 - Aug 2025**

*Code Ninjas*
- Educated **30+ children varying in age group from 5-15 years** in developing and learning software tools **(MS Office, JavaScript, and Unity)** to promote coding and computational skills, which helps build their technological independence.
- Led classroom sessions using **JavaScript and Unity projects**, applying leadership and communication skills to clarify core programming concepts, which improved students' understanding and sparked interest in technology
- Provided individualized support on tasks and projects, enabling the branch to win the **Black Belt Center Award** for **developing the most skilled students across Georgia.**

## PROJECTS

**Liftbox**     **Jun 2025 - Jul 2025**

*Google Summer of Code*
- **Developed an end-to-end encrypted, stateless file-sharing system in Go**, leveraging concurrency, automated testing, and containerized deployment to **promote secure design patterns and more reliable collaboration within my Google Summer of Code team**.
- **Improved model evaluation rigor** by studying system outputs and recurring failure patterns across controlled experiments (15+), **informing refinements to validation approaches and overall reliability**.

**BigQuery SQL Agent**                                              **Oct 2025 - Nov 2025**

- **Designed and deployed a multi-agent SQL analysis system using Google's Agent Development Kit (ADK)**, enabling natural-language-to-SQL querying over BigQuery with **automated Terraform-based infrastructure provisioning, IAM configuration, OAuth integration, and Vertex AI deployment**.
- **Implemented a modular multi-agent architecture** with a root orchestrator, a BigQuery-focused NL2SQL agent, and a Python-based analytics agent, using structured dataset documentation and Terraform automation to improve query accuracy, deployment consistency, and usability for non-technical users.

## SKILLS

- **Programming Languages**: Python, JavaScript, SQL, Go, HCL, Java, Bash, C#
- **Tools & Platforms**: Git, N8N, Docker, Terraform, Azure, Linux, Agile, React, Node.js, Flask, PyTorch