

Ryan N. Tran

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EDUCATION

Kennesaw State University

Atlanta, Georgia

B.S. in Computer Science

Expected Graduation, May 2026

- o **Concentrations:** Artificial Intelligence
- o **GPA:** 3.65/4.00, *Dean's List*
- o **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Artificial Intelligence, Database Systems, Data Communication, Discrete Math, Linear Algebra, etc.
- o **Activities:** KSU Artificial Intelligence Club, KSU Vietnamese Student Association

EXPERIENCE

Headstarter AI

Marietta, Georgia

Software Engineering Fellow

July 2024 – Present

- Built 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, CI/CD, Git and microservice patterns

Kennesaw State University

Marietta, Georgia

Artificial Intelligence Undergraduate Researcher

July 2024 – Present

- Analyzed multimodal data (text and wearable sensor signals) to identify key characteristics, enhancing understanding of emotional well-being.
- Contributed to the development of machine learning, deep learning, and natural language processing algorithms, improving the AI system's performance.
- Co-authored and presented research findings at internal and external venues, including conferences and workshops, promoting advancements in emotional AI.

Outlier

Atlanta, Georgia

Coder - AI Training

May 2024 – Present

- Enhanced AI coding capabilities by analyzing and improving AI-generated code in Java, Python, JavaScript/TypeScript, and SQL, leading to a 20% increase in model accuracy.
- Analyzed and refined peer code submissions across Java, C++, and Python, ensuring alignment with best practices and increasing code efficiency by 25%, resulting in a 15% reduction in debugging time.
- Developed 50+ original coding solutions and 100+ robust test cases in multiple languages, improving the LLM's coding proficiency by 30%.

PROJECTS

Browser Music Player (React, JavaScript, TypeScript, HTML/CSS)

Atlanta, Georgia

Creator/Developer

May 2024 – Present

- Designed and Implemented a music player web app using JavaScript, TypeScript, and React, resulting in a 30% increase in user engagement.
- Integrated Spotify API to curate playlists, enhancing user satisfaction by 40%.
- Implemented comprehensive music playback functionalities (play, pause, skip, shuffle, volume control), enhancing user interaction by 30% and reducing user-reported bugs by 40%, demonstrating proficiency in frontend development and collaboration skills.

Automated Restaurant Point of Sale System (Java, Docker, MySQL)

Atlanta, Georgia

Creator/Developer

Jan 2024 – May 2024

- Created a POS system using Java/JavaFX for GUI and Docker/MySQL for the database, improving operational efficiency by 35%.
- Streamlined staff coordination and trend analysis, increasing revenue by 20% through optimized decision-making.
- Delivered real-time insights to management through automated data collection and analysis, boosting revenue optimization by 25% and improving functional efficiency by 30%.

Gym/Exercise Application (Swift, iOS Application)

Atlanta, Georgia

Creator/Developer

Oct 2023 – Dec 2023

- Developed an iOS fitness app with Swift as the primary language for core logic & user-friendly interfaces/features. Atlanta, Georgia Oct 2023 – Dec 2023
- Seamlessly connected the app to API-Ninjas' Exercises API using Alamofire, delivering a rich database of targeted exercises; boosted user satisfaction by 35% and retention rates by 25%
- Employed Postman for API testing and validation, ensuring seamless integration and reliable performance.

SKILLS

Programming: Java, C#, Python, React, JavaScript, TypeScript, HTML, CSS, Swift (iOS), MySQL

Tools: IntelliJ, VSCode, XCode, Git/Github, Docker, MySQL Workbench, Postman, Figma