ETHAN RUAN

470-338-1787• Atlanta, GA • ethanruan04@gmail.com • https://www.linkedin.com/in/ethan-ruan/

EDUCATION

Georgia Institute of Technology, College of Computing   **Atlanta, Georgia**
Bachelor of Science in Computer Science   August 2023 - *Expected Graduation December 2026*
- **Concentration:** Intelligence & Information Internetworks
- **Relevant Coursework:** Linear Algebra, Intro to Object-Oriented Programming (Java), Discrete Mathematics, Data Structures and Algorithms, Object and Design
- **Organizations:** GT Data Science Club, GT Undergraduate Consulting Club, GT Table Tennis Club, GT Trading Club
- **Scholarships:** Zell Miller

EXPERIENCE

Georgia Tech VIP Program - ML for Financial Markets
Researcher
- Led a multidisciplinary team to conduct a comprehensive replication study on natural language processing models applied to Wikipedia financial research papers
- Implemented and fine-tuned BERT model using Python SentiFM framework for weakly supervised learning, enabling the automatic labeling of key sentences within financial research papers as positive or negative.

Georgia Tech Undergraduate Consulting Club   **Atlanta, GA**
Pro Bono Project Consultant - UniBuzzy   *January 2024 - May 2024*
- Spearheaded UnitBuzzy's campus integration strategy onto Georgia Tech's campus, clubs, and organizations, boosting user engagement by over 25%.
- Advised UniBuzzy leadership of app improvements through comprehensive market research, competitor analysis, and business/system analysis for the app's optimization.
- Crafted a sustainable revenue generation strategy for Unibuzzy, ensuring the continuity of operations and fostering long-term financial viability through innovative business models and market analysis.

Repertoire Partners   **Alpharetta, GA**
Market Analysis Intern   *May 2021- July 2021*
- Prospected potential competitors through market research and utilized Excel to create a condensed balance sheet comparing quarterly expenses and key performance indicators for more informed stock purchases.
- Evaluated investment opportunities by analyzing companies' business models, unit economics, and competitive dynamics resulting in 4.29% profit on a $94,000,000 portfolio

Projects

Spotistats | Java, Kotlin, Git, Firebase, Domain Model
- Streamlined the development of Spotify Wrapped app where users can login, connect to the Spotify API, view current and past "wraps", and listen to their top tracks.
- Created design class diagrams and sequence models as visualizations to seamlessly integrate our app's attributes with user experience.

Buzz Schedule | Java, Kotlin, Git, Firebase
- Collaborated with a cross-functional team to design and implement features allowing users to add and manage classes, assignments, and exams efficiently, enhancing productivity and time management
- Initiated the conceptualization and development of Buzz Schedule, an innovative Java application that provides users with control over their academic schedules, class timings, professor details, and class locations.

SKILLS/INTERESTS

Languages:	English – native, Chinese – fluent, Spanish - intermediate, Korean - Beginner
Skills:	Java, Python, HTML, CSS, JavaScript, Git, Firebase, Kotlin, Android Studio
Affiliations:	Phi Sigma Kappa, Georgia Tech Table Tennis Club, Georgia Tech Finance Society
Awards:	US Junior National Team Member, 2019 Table Tennis Cadet All-American
Activities:	Golf, Basketball, Camping
Volunteer:	Food4Life, Formosa Association of Student Cultural Ambassadors Student
Interests:	Formula 1, Golf, Gym