

# Samuel Preston

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## EDUCATION

**M.S. Computer Science w/ concentration in Software Development** May 2025  
*Stevens Institute of Technology*

**B.S. Business and Technology w/ minors in Computer Science and Information Systems** May 2024  
*Stevens Institute of Technology*

**Relevant coursework:** Advanced Strategy, Business Law, Corporate Finance, Systems Analysis & Design, Project Management, Logistics & Supply Chain Management, Social Media & Network Analysis, Data Analytics, Agile Methodology for Software Development, Web Programming, Database Management I & II, Machine Learning, Natural Language Processing

## EXPERIENCE

**Tech Consultant - Intern** June 2024 - August 2024  
*Samsung Data Systems* Ridgefield, NJ

- Created and instructed a 15 module training course on Generative AI Topics ranging from AI Principles to AI Applications for all current and future members of the Strategic Account Management team
- Designed a process map for a client loan origination process to align understandings between the client and the company regarding where Generative AI can be used to increase the processes efficiency
- Analyzed the current system used by IT teams to respond to support emails, creating a 4 stage plan for a Generative AI based system that would result in greater efficiency of support ticket handling and faster response time

**Operations Analyst - Intern** December 2021 - June 2022  
*Asset Based Lending LLC* Jersey City, NJ

- Analyzed and processed over 150+ documents weekly for risk management via excel and CRM software, enhancing the organization's ability to identify and mitigate potential financial risks
- Facilitated over \$20 million in real-estate loan sales, boosting loan sales volume involving customers across multiple states
- Created a dashboard using Excel that highlighted 20+ loans over \$1 million in value to analyze current levels of efficiency

## PROJECTS

**AI-Enhanced Tutoring Platform** | *Python, Javascript, Flask, OpenAI API* January 2025 - May 2025

- Developed a full-stack middleware system that intercepts and rewrites user-AI dialogue to transform passive question answering into critical thinking prompts, enhancing educational engagement
- Designed and implemented a Python-based backend for modifying both user input and LLM output using prompt engineering techniques and NLP filters
- Designed and conducted user testing with 15+ participants, including pre/post surveys and interaction logging, to assess system impact on student learning and reflection

**Reddit Controversy Classification Project** | *Python, Scikit-learn* January 2025 - May 2025

- Built a text classification pipeline on 10,000+ Reddit posts and 100,000+ comments to identify controversial content using metadata and linguistic features
- Achieved 0.83 F1-score by training and tuning models (Naive Bayes, XGBoost, Logistic Regression) with cross-validation
- Engineered 12+ features including post/comment sentiment scores, word frequency vectors, and comment depth averages to improve classifier performance

**Senior Design Entrepreneurship: Fleco** | *MERN Stack, Figma, Lucidchart, Github, MS: Office* September 2023 - May 2024

- Created an innovative digital college marketplace platform that empowers students to efficiently list, buy, and sell used items within their community in order to encourage conscious consumption and prevent waste
- Adopted a modular design strategy to ensure scalability, positioning the platform for growth as more colleges participate
- Conducted a thorough competitive analysis of 5 leading platforms, extracting and integrating 3 key strategies from their business models to enhance our offering

## LEADERSHIP

**Challenge Level Coordinator** | *Stevens Institute of Technology* October 2022 - Present

- Served as the instructor for a cohort of 30 students, facilitating their transition to college life through guidance and support
- Enhanced members' experiences by providing resources and mentorship in professional development and academic success
- Cultivated a culture of diligence and collaboration, resulting in measurable improvements in members' personal growth

## SKILLS & INTERESTS

**Programming Technologies:** HTML5/CSS, Python (Pandas, Numpy, Scikit-Learn), JavaScript (React, Node JS), MongoDB, SQL (MySQL, PostgreSQL)

**Software:** Git/GitHub, VS Code, Lucidchart, Figma, Jira, MS Office, Canva, Power BI, Tableau, AWS

**Interests:** Software Design, Creative Design, Computer Building, Reading, Writing, Soccer

**Extracurriculars:** Club Soccer, Sigma Phi Epsilon, Tutor: Java, Python, Figma, SQL, Lucidchart