Jacob Kriss

(646) 954-0087 | jacobekriss@gmail.com | [Linkedin](#) | [Personal Website](#) | [GitHub](#)

Education

Skidmore College, Saratoga Springs, NY   Expected Graduation: December 2025
Major: Computer Science
Minor: Business
Major GPA: 3.67

Relevant Coursework

Business and Organizational Management (MB107)
- Formulated business strategy, developed rollout plans, and created financial statements for growth projections.
- Simulated pitching strategies to executives.

Software Design (CS226)
- Implemented logging and unit testing in large code bases, focusing on scalability and code quality.
- Utilized design patterns, JUnit, and JaCoCo frameworks.

Design and Analysis of Algorithms (CS305)
- Designed algorithms for complex problems, emphasizing time and memory efficiency.
- Applied advanced data structures and sorting techniques to optimize performance.
- Developed solutions using dynamic programming, greedy methods, graph algorithms, and amortized analysis.
- Studied optimization through linear programming techniques.

Relevant Experience

Instructor, ID Tech, Harrison, NY   June 2024–August 2024
- Engaged students aged 14-18 in hands-on projects, fostering critical problem-solving skills and practical coding experience.
- Taught machine learning courses focused on TensorFlow Keras, covering foundational concepts in Python, NumPy, data cleaning, preprocessing, and neural networks, including CNNs and data augmentation generators.
- Designed and lead comprehensive courses on Object-Oriented Programming (OOP) in Java and python, guiding students through the development of multithreaded applications, enhanced with graphical libraries and Open Ai's GPT API.
- Assisted students with extensive debugging, helping them troubleshoot and optimize their code.
- Encouraged students to relate machine learning and software engineering concepts to their own personal interests, fostering deeper engagement and learning.
- Adapted teaching techniques to diverse student learning styles, ensuring comprehension of complex concepts regardless of previous experience.

Intern, **JDM Import Co**, Manhattan, NY   June 2022–August 2022
- Conducted market analysis and trend research to identify emerging jewelry styles, customer preferences, and competitive pricing strategies, providing valuable insights to inform product selection and pricing decisions.
- Assisted with inventory management by cataloging, organizing, and tracking incoming shipments, ensuring accurate stock levels and timely updates to inventory records.
- Observed and assisted data analysts in collecting, cleaning, and organizing large datasets from various sources, gaining hands-on experience with data manipulation and preprocessing techniques.
- Performed data entry tasks, maintaining records, and generating reports to track key performance metrics and evaluate the success of operations.

Store Employee, Mike's Organic, Stamford, CT   June 2021–August 2021
- Upheld compliance with company policies, procedures, and safety regulations, including food handling guidelines, cash handling protocols, and workplace safety standards, to ensure a secure and compliant operating environment.
- Packaged and delivered customer orders, coordinating with other employees to ensure timeliness and quality control of online orders.
- Assisted in developing creative recipes and menu items using surplus or leftover ingredients, incorporating them into dishes to reduce food waste while maintaining quality and taste standards.
- Collaborated with chefs and kitchen staff to identify opportunities for repurposing unused ingredients to minimize waste and maximize resource utilization.

Activities & Achievements

- 3rd Place, Kenneth A. Freirich Entrepreneurship Competition: Developed a multiplatform app with a comprehensive business strategy.
- Member of Skidmore Codes Club: Participated in hackathons and coding events, improving programming skills.

Skills

Java, Python, C, JavaScript, Tensorflow, Numpy, Pandas, AWS, Linux, Excel, PowerPoint