

# SAHAS GOLI

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## EDUCATION

**Vanderbilt University** **Nashville, TN**  
*Dual Major in Computer Science & Economics* **Class of 2023**

- Cumulative GPA: **3.99** / 4.00
- Relevant Coursework: Algorithms, Data Structures, Database Management, Operating Systems, Multivariable Calculus, Linear Algebra

## WORK EXPERIENCE

**Citadel** **New York City, NY**  
*Incoming Software Engineer, Portfolio Construction Group* Aug 2023 - Present

**Robinhood** **Menlo Park, CA**  
*Software Engineering Intern, Core Machine Learning Team* May 2022 - Aug 2022

- Designed an initial version of feature transformation (in Python/Golang) for Beast, Robinhood's Feature Store, improving data scientist feature engineering efficiency by 5-10x.
- Optimized our E2E Machine Learning pipeline for social media analysis. Scraped Reddit/Twitter and conducted sentiment analysis (via BERT NLP model) to gauge market conditions.

**Coursera** **Mountain View, CA**  
*Software Engineering Intern, Educator Admin Team* May 2021 - Aug 2021

- Worked extensively on solving instructor inconsistencies, which involved writing Scala to automatically resolve 15,000+ inconsistencies (affected 12% of all Coursera instructors).
- Reduced latency by 30% on a bottleneck API essential for displaying course instances to admin staff running courses. Led to an overall smoother experience for admin staff.

**Vanderbilt University** **Nashville, TN**  
*Head Teaching Assistant* Jan 2021 - Present

- Held office hours and performed grading for Intermediate Software Design, a course centered around intermediate C++ features and software design patterns.

**AstrumU** **Kirkland, WA**  
*Software Engineering/DevOps Intern* May 2020 - Aug 2020

- Developed a Node.js app using Puppeteer to completely automate Google Lighthouse auditing on various web-apps, saving our DevOps team time on previously manual work.
- Wrote shell scripts to automate the deployment of Kubernetes clusters to Azure Kubernetes Service for internal use; incorporated role-based access control and ISTIO in each cluster created.

**Vanderbilt University** **Nashville, TN**  
*STEM Tutor* Jan 2020 - Present

- Taught 20+ students for 10 hours weekly on computer science fundamentals and Data Structures.

## PROJECTS

**KLAS** **Python (Django)**

- Designed the backend for a web application that provides fractional real estate investments.

## LEADERSHIP

**ACT / SAT Preparation Groups** **Online**  
*Founder* Sep 2017 - Present

- Founded an 8300 member online international community for students of low socioeconomic status focused on collaborative preparation for the ACT and the SAT.

**Vanderbilt SWE Preparation Club** **Nashville, TN**  
*President* Jan 2022 - Present

- Founded and led a club dedicated to bridging the gap between traditional CS coursework and the industry recruiting process.

## ADDITIONAL INFORMATION

Languages/Tools: C++, Go, Scala, Python, SQL, Docker, Kubernetes, Redis, Airflow, Git  
Interests: Fiction, Teaching