

MALACHI CRAIN

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EDUCATION

Bachelor of Science, May 2025

The University of Alabama, Tuscaloosa, AL

Double Major: Computer Science and Mathematics

GPA: 4.0/4.0

WORK EXPERIENCE

IT Intern, June 2023-August 2023

The Depository Trust and Clearing Corporation (DTCC), Tampa, FL

- Developed batch process to ensure reports are generated daily, increasing client satisfaction
- Migrated multiple applications to password access manager, enhancing security
- Tested code changes in Dev & QA environments, verifying code quality
- Created PowerAutomate flows and a PowerApp to automate business processes

Co-Researcher, February 2022-Present

The University of Alabama, Tuscaloosa, AL

- Developed an AI program analyze texts and test hypotheses about natural language processing
- Accessed high-performance cloud computing tools to run program at scale
- Sorted and compiled data, in order to co-write conference presentation

LEADERSHIP EXPERIENCE

Vice President of Liturgy, December 2023-Present

BamaCatholic, Tuscaloosa, AL

- Coordinated 15+ volunteers on a weekly basis to organize a student mass attended by 400+
- Recruited and trained dozens of new volunteers for six different positions
- Supervised and mentored five subordinates who manage their own teams and events

Team Lead, November 2023-Present

University of Alabama Honors College Big Ideas Contest, Tuscaloosa, AL

- Created a team of five to participate in entrepreneurial and professional development contest
- Delegated responsibilities for drafting initial idea proposal and accompanying video

PRESENTATIONS

Andrew Ash and **Malachi Crain**, "Word Prediction Algorithms and the Analysis of Literary Texts," 35th Annual Science Literature and the Arts Conference, Purdue University, October 8, 2022

AWARDS

Top 3 Team in Full Stack Category at UA Hackathon and Innovation Challenge (April 2022, April 2023)

UA College of Arts & Sciences Outstanding Sophomore (October 2022)

University of Alabama President's List (December 2021-Present)

National Merit Finalist (2021)

VOLUNTEER EXPERIENCE

BamaCatholic Vice President of Liturgy (January 2024-Present), BamaCatholic Bible Study Leader (September 2022-Present), Killeen Rainbow Rooms (February 2019-April 2020), World Changers Hurricane Relief in New Jersey (2017), Lelani Mae Horse Rescue (September 2015-April 2018)

SKILLS

JavaScript, Java, Python, C++, C, SQL, Git, HTML, CSS, Natural Language Processing, Microsoft Power Suite, Public Speaking, Writing, Teamwork