

Aaron J. Kantsevoy

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Education

Georgia Institute of Technology | Atlanta, GA

Expected graduation: May 2026

Bachelor of Science in Computer Engineering, GPA 4.0

Projects

Amazon Product Review Aspect-Based Sentiment Analysis

December 2023

- Collects 500 reviews about selected product using Playwright and BeautifulSoup
- Uses BERT model to extract aspects and calculate sentiments
- Generates business insights through data visualization

Influencer Search Tool

December 2023

- Finds 400 high-quality YouTube influencers in 6 minutes
- Interfaces with YouTube API to collect thousands of YouTube channels
- Utilizes AI to filter for user-requested criteria and remove low-quality accounts

4th Kibo Robot Programming Challenge | Team-lead | NASA & JAXA | jsc-kiborpc@mail.nasa.gov

May - October 2023

- Launched code on Astrobee (autonomous flying robot) in ISS on September 13, 2023
- Founded and led cross-functional team of 3 students
- Leveraged computer vision, QR & Aruco recognition, quaternion orientation, path planning, and Java
- Handled daily communications with NASA and JAXA
- Won 1st place prize in US competition and will be representing NASA internationally in Japanese-hosted competition

Aquaponic Greenhouse | Co-President | Gilman School

April 2022 - June 2023

- Established a relationship with local food pantry to donate harvests
- Designed the fish tank, growing system, and Arduino-based automation to reduce labor time and electricity usage
- Operated system successfully for 11 months
- Grew plants and fish without soil while achieving 95% water savings over traditional agriculture

Personal Portfolio Website <https://aakan511.github.io/>

August - November 2022

- Wrote all code in HTML, CSS, and JavaScript and posted it on GitHub for others' education and inspiration
- 3D rendered background using Three.js

Work Experience and Leadership

Georgia Institute of Technology | CS1331 Teaching Assistant

January 2024 – May 2024

- Help several hundred students gain deep understanding of object-oriented programming in Java
- Assist professors in miscellaneous course-related tasks including grading

Linus Technology Inc. | Community Outreach Intern

December 2023 – May 2024

- Reduced time taken to find 400 influencers from 16 hours to 6 minutes by using YouTube's API and ChatGPT filtering in order to automate marketing department
- Produced data-driven insights about competitors using data mining and aspect-based sentiment analysis

St. Paul's School 3D Printing & Robotics Camp | Head Volunteer

August 2019 - August 2023

- Mentored 20-25 children per week for 2 weeks in August each summer
- Taught students beginner-level code, 3D printer maintenance, and 3D modeling

C-HIT | Data Analytics Intern

July 2021

- Analyzed stock data and found trends using Python
- Utilized Microsoft Power BI visualize stock trends

Gilman School FTC Robotics Club | President of 3D Modeling

September 2019 - April 2021

- Taught less experienced students CAD in Fusion 360
- Created thorough 3D design of 3 robots
- Advanced team to State Championship

Skills

- **Programming:** Java, Python (novice), C++ (novice), JavaScript(novice), Node.js, Flutter, HTML & CSS (novice)
- **Platforms:** Linux (Ubuntu, Fedora), Windows
- **Hardware:** Raspberry Pi, Arduino
- **Software:** Android Studio, Fusion 360, OpenCV, GitHub, NumPy
- **Communication:** Public speaking for large and small audiences, Microsoft PowerPoint presentations
- **Languages:** English (native), Russian (native), Chinese (beginner), Japanese (beginner)