

Ezra Silver-Isenstadt

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EDUCATION

The University of Maryland, College Park | College Park, MD

B.S. in Computer Science, B.M. in Music Composition, Minor in Philosophy | GPA: 3.86/4.0

May 2026

Banneker/Key Scholar: A full-ride merit scholarship to UMD. Featured as a model B/K student at event for new recipients.

Relevant Courses: Object-Oriented Programming I & II (Java), Introduction to Computer Systems (C), Discrete Structures, Organization of Programming Languages (OCaml, Rust), Algorithms

TECHNICAL SKILLS

Programming Languages: Java, C, JavaScript, OCaml

Tools: Git, Unix Command Line, Google Suite, Final Cut Pro, Logic Pro, Sibelius

Other: Public Speaking, Chess, Content Creation, Piano, Guitar, Alto Saxophone

EXPERIENCE

NASA Goddard Space Flight Center Intern |

Satellite-Based Mapping of Global Environmental Change

Summer 2020

- Developed user-friendly applications to visualize the effects of climate change
- Coded in Google Earth Engine (Javascript-based) using satellite imagery and precipitation data
- Designed intuitive application UI

Lead Guitarist | Lyn Lapid's Tour Band

October 2022 - July 2023

- Performed in 20 cities on two national tours
- Honed skills in effective communication and collaboration

PROJECTS

Document Manager | Academic Project

February 2024

- Implemented the backend of a simple text editor along with a text-based user interface
- Coded in C intentionally using few library methods (e.g. `find_and_replace_all` was coded w/ basic pointer operations)

Text-Based Wordle | Personal Project

January 2024

- Implemented the logic of Wordle with a text-based UI (Java)

Other academic projects include: A calendar application, database modeling, a simple shell, and more.

LEADERSHIP EXPERIENCE

President | Animals for Animals | University of Maryland, College Park

August 2022 - August 2024

- Organized a community of volunteers around animal-rights advocacy efforts

Co-Lead | March For Our Lives, Howard County | Howard County, MD

August 2019 - August 2020

- Coordinated local gun-violence prevention efforts
- Facilitated voter registration drives and community outreach