

# Ezra Silver-Isenstadt

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## EDUCATION

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**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

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**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

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**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

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**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

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**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