

# Timothy Boyce

240-224-4405 | timmy.m.boyce@gmail.com

## Education

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**St. Lawrence University**, Canton, NY May 2025  
Bachelor of Arts, *Environmental Science / Computer Science* 3.200/4.000

- Related Coursework: Data Structures, Algorithms, Computer Organization, Database Systems, Sustainable Agriculture, Climate Science, Renewable Energy, GIS.

## On-campus Activities

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**Athlete**, *Track and Field*, St. Lawrence University Aug 2021 - Present

- Learned consistency and time management on a high level, currently in 8th year of competitive running.
- Practiced teamwork and leadership as a team captain, held teammates to highest standard of work ethic.
- Demonstrated dedication and hard work by achieving multiple school records and competing on a national level among other awards.

## Experience

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**App Developer**, *St. Lawrence University*, Canton, NY Jan 2025 - May 2025

- Formulated an independent project to build an app as requested by Environmental Science advisor (aka 'client').
- Designed app to download, interpret and display information about local hiking trail usage from trail counter device client used. Graphs and other data representation is auto-generated as needed by client.
- Delved into exact needs of client to build customized app to meet all necessary specifications.
- Disseminated information about app development, allowing client to understand all parts of process despite having no technical software development knowledge.

**Teachers Aide**, *Acorn Hill*, Silver Spring, MD May 2024 - Aug 2024

- Supervised children from ages 3-6, ensuring children follow scheduled activities throughout each day.
- Managed conflicts among students to keep children comfortable and safe, improving crisis management skills.
- Practiced ability to remain calm, positive, capable, and level-headed regardless of degree of crisis occurring.
- Improved teamwork capabilities; stepped up to take on any task other teachers were too occupied to take care of and vice versa.

**Contractor**, *Acorn Hill*, Silver Spring, MD Jun 2022 - Jul 2022

- Developed extensive creative problem-solving, was given general tasks (construction, cleanup, organization, etc.) and came up with creative solutions and methods to meet companies needs.
- Learned to be a self-starter; was given a list of tasks at start of each day and completed each without supervision.
- Enhanced safety and effectiveness of teaching areas; ensured areas were streamlined, clean and highly functional.

**General Employee**, *Black Ankle Vineyards*, Mount Airy, MD Jun 2022 - Jul 2022

- Gained experience in variety of areas; learned to manage a variety of tasks at once, including some farming, construction, processing of products, and sales.
- Fine-tuned communication skills; communicated almost exclusively in Spanish with other workers and found ways to share creative ideas despite occasional language barriers.

## Technical Skills

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**Programming Languages:** Experience working in Java (advanced), Python (advanced), C (intermediate), SQL (intermediate), Rust (intermediate), 32/64-bit x86 assembly (beginner), armv8 assembly (beginner).

**Programming Skills:** Proficient at database design and usage, application/GUI development, low-level programming and memory management, working from command line, writing shell scripts, writing and analysing algorithms.

## Language Skills

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- Studied Spanish for 15 years and speak it fluently. Earned Seal of Biliteracy from state of Maryland in high school.
- Travelled to Spanish-speaking countries numerous times and learned about the culture there while operating entirely in Spanish.