

# Alex Wcislo

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## EDUCATION

### Carleton College

*Computer Science Major*

**Northfield, MN**

2026

- **GPA:** 3.33 / 4.00

- **Relevant Coursework:** Programming Languages: Design and Implementation, Software Design, Algorithms, Computer Systems

### International School of Panama

*International Baccalaureate, Meduca Diploma*

**Panama City, Panama**

2022

- **GPA:** 3.84 / 4.00

- **Relevant Coursework:** HL: Chemistry, Physics, Mathematics & SL: English, Spanish, Business

## RELEVANT EXPERIENCE

### Field Museum of Natural History

**Chicago, Illinois**

*Intern*

June 2025 – August 2025

- Digitizing the botany department at the museum was a multi-step pipeline process. I wrote code that builds a more compiled version of the current messy database. I also wrote code for the verification and multi layer validation of transcriptions we got back from an external AI transcription company.

### Smithsonian Tropical Research Institute

**Panama City, Panama**

*Intern*

June 2024 – September 2024

- I designed an experiment to determine which mode of signalling is most important for successful courtship between wolf spiders. It was found that visual signals are more effective than vibrational; however, when combined, it is most effective.
- This experience helped me develop my communication and collaboration skills as I had to work with, get help from, and help other interns working in various labs.

### *Azteca* ants repair damage to their *Cecropia* host plants

**Panama City, Panama**

*Author 1, [Journal of Hymenoptera Research]*

November 2020 – December 2021

- As the person who discovered that *Azteca* ants repair damage to their host plants, I, along with some friends and a biologist at the Smithsonian, experimented to research this phenomenon.
- My first published research paper was a challenging yet exciting experience in which my leadership and analytical skills were strengthened.

## ADDITIONAL EXPERIENCE

### Carleton College

**Northfield, MN**

*Student worker-Lifeguard*

September 2023 – Present

- Entails looking after facilities, staying vigilant during shifts, and being ready to respond in case of emergency.

### Carleton College-Bon Appetit

**Northfield, MN**

*Student worker-Dining Hall*

September 2022 – June 2023

- This role included serving fellow students food, cleaning, stocking, and ensuring that the dining hall and kitchen were running smoothly.

**Trinity Tutors***Tutor***Panama City, Panama**

January 2021 – May 2022

- Tutor students in younger grades and our grades with subjects they are having trouble in. My friends and I helped students with Chemistry, physics, and Math. This was a great experience in which our leadership, patience, and collaborative skills with one another were developed.

**Link Leaders***Leader***Panama City, Panama**

August 2021

- Helped younger students have a smooth transition into high school. Great personal experience in which leadership and collaborative skills were developed.

**Curb Numbering***Self-made job***Panama City, Panama**

May 2019 – June 2021

- I, along with my brother and a friend, designed a small business idea in which we would paint house numbers on the curb. As teenagers, we wanted a way to generate some extra income, but also do something that benefited others. We offered our service to houses in our neighborhood as well as nearby neighborhoods so that people could better find houses without getting lost.

**Camp Live Oak***L.I.T. (Leader In Training)***Fort Lauderdale, FL**

July 2019 – August 2019

- Taught smaller kids in environmental programs to learn about local ecosystems, the importance of conservation, and how to experience the outdoors respectfully.

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**SKILLS, ACTIVITIES, & INTERESTS****Languages:**

- Fluent in English
- Proficient in Spanish

**Technical Skills:**

- Python
- Java
- Javascript
- C
- R
- SQL
- HTML/CSS

**Certifications & Training:**

- Red Cross CPR & AED Certification

**Activities:**

- Service, Engineering, & Technology Club [2020-2022]: Volunteer work installing solar panels in remote areas & experimenting with Arduino builds.

- Environmental & Sustainability Club [2019-2022]: Studied native plant species to begin reforestation attempts on campus.