

# Caleb Bayles

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[linkedin.com/in/caleb-bayles](https://www.linkedin.com/in/caleb-bayles) | [github.com/cbayles1](https://github.com/cbayles1) | [portfolio.cbayles1.vercel.app](https://portfolio.cbayles1.vercel.app)

## EDUCATION

Southern Illinois University Edwardsville (SIUE)  
Bachelor of Science in Computer Science, Minor in Mathematics

Graduated May 4, 2024  
Cum Laude GPA: 3.7

## PROJECTS

### NGRREC GREON Data Visualization - Senior Project

8 months

- Provided NGRREC reliable access to data from their water quality buoys, alongside teammates
- Built a website and migrated to a database, using React, Next.js, PostgreSQL, and other tools
- [greon.ngrrrec.org](https://greon.ngrrrec.org)

### DNA Accessibility Deep Learning Project - Undergraduate Showcase

4 months

- Utilized neural networks to locate accessible regions in T-cells and lymphoblasts
- Used PyTorch, Conda, and bedtools
- [portfolio.cbayles1.vercel.app/TCell\\_Lymphoblast\\_Accessibility.pdf](https://portfolio.cbayles1.vercel.app/TCell_Lymphoblast_Accessibility.pdf)

### Expendable 054 – Lead Designer and Programmer

1 year

- Developed a full video game in Python
- Collaborated with talented artists to create game art
- Released the game to the public, along with subsequent bug fixes
- [caleb-bayles.itch.io/expendable054](https://caleb-bayles.itch.io/expendable054)

### Personal Portfolio

4 months

- Used React, Next.js, and Tailwind CSS to create a website showcasing my projects and skills, furthered my experience with those tools
- [portfolio.cbayles1.vercel.app](https://portfolio.cbayles1.vercel.app)

## SKILLS

### Web Development

JavaScript	8 years
React.js	1 years
Next.js	1 years
Node.js	7 years
REST APIs	1 years
Tailwind CSS	1 years
HTML/CSS	9 years
SQL	2 years
Responsive Design	5 years

### Other Knowledge

Python	6 years
Java	4 years
C/C++	3 years
Git	4 years
C#	1 years
Linux	6 years
OOP	4 years
Agile	2 years
Scrum	2 years

## WORK EXPERIENCE

### Park Maintenance, Decatur Park District

May 2021 – August 2023

- Maintained parks in the city of Decatur, grew a good work ethic and had to be a quick learner

## ACTIVITIES

### Volunteer Work: CRU President

September 2021 – May 2024

- Led and mentored students in group discussions on biblical information and personal motivation
- Led musical events and helped musicians prepare by providing chord charts, lyric sheets, and rehearsals