Caleb Bayles

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EDUCATION

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

Expected Graduation: May 2024
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.ngrrec.org

Genomics DNA Accessibility Deep Learning Project   3 months
- As a class project, I am in progress on utilizing neural networks to locate accessible regions given a sequence of DNA
- Uses pytorch, bedtools, and a remote machine on CloudLab

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

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

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

ACTIVITES

Volunteer Work: CRU President   September 2021 – Present
- 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