

Caleb Bayles

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EDUCATION

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

Graduated May 4, 2024
Cum Laude GPA: 3.7

AWS Certified Solutions Architect – Associate (<https://bit.ly/cbayles-aws-cert>)

November 2024

PROJECTS

NGRREC GREON Data Visualization - Senior Project 9 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
- <https://greon.ngrrc.org/> (site is sadly broken currently; current students are making upgrades)

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
- https://bit.ly/T_Cell_Lymphoblast_Accessibility

SerffScape 1 month

- Retrieves publicly available SERFF insurance filings using Selenium and Python
- Parses resulting PDFs into Excel spreadsheets for further analysis
- Collaboration with a friend who wanted a way to automate part of his workflow
- <https://github.com/cbayles1/Serff-Scrape>

Music Stand 7 months

- Constructed a React/Express.js app that provides links to sheet music and chord charts
- Allows users to add, remove, and modify song entries to and from the list
- Allows for searching, sorting and filtering by author, title, key, date added, or custom tag
- <https://github.com/cbayles1/musicStand>

SKILLS

Web Development

JavaScript/TypeScript	7 years
React	3 years
Node.js	7 years
HTML/CSS	8 years
SQL	3 years
Responsive Design	5 years
REST APIs	2 years
Angular	< 1 year

Other Knowledge

Python	6 years
Java	4 years
C/C++	4 years
Git	4 years
C#/.NET	< 1 year
OOP	6 years
Docker	< 1 year
Linux	6 years

WORK EXPERIENCE

Paint Sales Associate, Lowe's October 2024 – Present

- Assisted customers in finding items, mixed and tinted paint, and stocked merchandise

Park Maintenance, Decatur Park District May 2021 – August 2023

- Mowed and maintained parks throughout Decatur, IL