

# KOLBY WALLIN

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## Objective

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As a Computer Science junior at Southern Illinois University and experienced Software Engineering Intern, I'm dedicated to continuous growth and eager for new challenges. I look forward to new opportunities and seeing where my career will take me.

## Education

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**Southern Illinois University, Carbondale, IL**

**GPA: 3.5/4**

*Bachelor of Science in Computer Science*

*Expected May 2025*

- University Honors Program
- **Relevant Coursework:** Programming with Data Structures, LINUX/UNIX Programming, Programming Distributed Applications, Design and Analysis of Algorithms, Software Engineering

## Experience

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**Software Engineer Intern**

**June 2021 – August 2023**

*State Farm*

*Bloomington, IL*

- Transitioned team API from on-prem to AWS environment, reducing operational complexity and cost.
- Developing and maintaining web applications using a Vue.js front-end and Django framework back-end.
- Collaborating with development team in an AGILE methodology to create and deliver a reliable, high-quality product.
- Engaged with customers to resolve issues and implement new features, boosting user satisfaction.

**Clerical Support Worker**

**August 2023 – Present**

*Southern Illinois University's Registrar*

*Carbondale, IL*

- Answering student calls and coordinating with coworkers utilizing excellent written and verbal communication skills
- Maintaining and managed a database containing records for over 10,000 students and employees
- Efficiently process nearly 50 transcripts a day in an organized fashion while ensuring compliance with FERPA guidelines.

## Projects

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**Portfolio Website** | *JavaScript, React, AWS S3, AWS Route53, AWS CloudFront*

**July 2023**

- A responsive Reactjs app deployed with AWS cloud infrastructure
- Displaying my work experience and personal projects with an aesthetic UI.

**Music Streamer using Distributed Systems** | *Java, Git, VSCode*

**February – May 2023**

- Utilized the fundamental practices of a distributed system to create this multi-threaded client/host application.
- Running each client as independent thread inside of a thread pool, allowing threads to run in parallel.
- Connected clients through the server enabling message and file sharing.

**Ecommerce Website** | *JavaScript, React, AWS S3, AWS Route53, AWS CloudFront*

**June 2023**

- Built this simple e-commerce website with Reactjs and AWS cloud infrastructure.
- Designed an object-oriented structure to display item information and pictures pulled in for AWS S3 bucket.

**Android Rock Paper Scissors App** | *Java, Android Studio, Blender, Git*

**May - June 2023**

- Developed the app through Android Studio and hosted it on the Play Store.
- Created fun 2D animations on Blender to show the outcome of the game.
- Designed an algorithm that analyses your past choices and more accurately predict what you will choose.

## Technical Skills

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**Languages/Database:** JavaScript, Java, Python, C, HTML, HCL, SQL, Django, MongoDB

**Technologies & Tools:** Agile, React, Vue, AWS, Terraform, CI/CD, Git, VSCode, Linux

**Certifications:** AWS Certified Cloud Practitioner