

# Sam Fosler

River Falls, WI 54022  
(Willing to commute/relocate)

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## INTRO

I most enjoy working dynamically on a wide range of tasks, with challenging problems to solve – this keeps me motivated, curious, and attentive. I value growth and every day I take time to learn something new or develop my skills.

A note on my coursework at UW-Madison; along with my Computer Science curriculum, I took courses in Journalism, Psychology, Art, and more – resulting in a well-rounded, multidisciplinary degree. My unique background has taught me to be inquisitive, discover connections between and within concepts, and pick up on non-trivial patterns in data.

## WORK EXPERIENCE

### UW-Madison Division of Information Technology — Research Cyberinfrastructure (RCI) Assistant

May 2021 - May 2023

Provide administrative backend support, compile and analyze usage data, document processes, and consult on policy decisions for RCI services, which support hundreds of researchers spanning 1.3B annual research dollars.

#### **Projects I took on with RCI:**

**Globus Metrics Reporting** – *Automatically clean the auto-generated usage reports for Globus*

Wrote a Python executable to take an input Excel file, clean up relevant rows/columns according to reporting needs, and output a new, more readable version, mostly by use of the pandas library.

**AI/ML Project** – *Analyze support requests for ResearchDrive, a UW-Madison storage solution for researchers*

Data-wrangled support tickets, created labels and schema, labeled training data, and contributed to the design of a Machine-Learning algorithm with Natural Language Processing (Python). Throughout the entire process I wrote a detailed codebook with reproducibility as a priority

## EDUCATION

### University of Wisconsin – Madison, Computer Science, B.S.

Sep 2019 - May 2023

**3.342 GPA**

### River Falls High School, High School Diploma

Sep 2015 - May 2019

**Honors**

## SKILLS

– 7+ yr programming experience: Java, C, Python, HTML, JavaScript, SQL. I have taken advanced computer science courses from high school through college.

– **Professional communication** and task management: MS Office Suite (Outlook/Calendar/Teams integration), Jira, Slack, Zoom, Cherwell Service Management, Kronos Workforce Management – all used daily at previous work positions.

– **Web development:** Created a personal site (<https://samfosler.com>) using HTML, JavaScript, Hostinger domain hosting, WordPress, and Elementor theme editor. I also provide ongoing back-end

**Operational Support** – *Perform administrative tasks for the UW-Madison RStudio/Posit pilot program for researchers*

Linux support/administration and account provisioning

- Checking server health and metrics
- Restarting/rebooting server
- Managing user profiles, attributes, groups in the server
- Installing/updating packages and dependencies for researchers

Data-wrangled usage data for the pilot program – SQL, Postman API, built-in metrics. Planned and helped create policies for the services, and frequent email communication with researchers

**Reporting** – *Create and maintain metrics reports and process documentation for various Google Cloud, AWS, Microsoft Azure contracts across the UW-Madison campus*

- Created and edited dynamic Google Data Studio (now Looker Studio) visualizations
- Wrote detailed process documentation as .md documents on the university's GitLab instance
- Shared and presented reports/findings with individuals and groups across campus

## **ADDITIONAL WORK EXPERIENCE**

### **UW-Madison, Memorial Library — *Shelver/Patron Assistant***

Oct 2021 – Jan 2022

- Became fluent in the Library of Congress Classification
- Improved the call-sheets procedure using shortcuts in Excel

### **UW-Madison, Student Housing — *Student Custodial Supervisor***

Nov 2020 – Oct 2021

- Honed leadership skills, planning, delegating tasks
- Radio communication, scheduling, administration
- Followed detailed cleaning procedures (including COVID)

code consulting for Lyd's Web Design (freelance).

- **Data Analysis:** I have a keen eye for hidden patterns in large quantities of data.

- **Data Visualization:** I excel at displaying and communicating findings in reports for use by individuals at any level of technical literacy

- **Process Documentation:** I always write detailed notes and tutorials for those who come after me, so they can replicate my procedures and understand my thought process.

- **CD/DVD archiving:** Large-scale data transfer, translation, and organization (family projects)

- **PC research/assembly:** Strong knowledge of computer components' technical specifications and market trends. I built my first desktop in 2015, and my most recent build was completed in October 2023.

- **Lead Belay/Climbing certification:** Rock climbing (indoor and outdoor) is one of my favorite hobbies. I diligently follow safety procedures, practice and learn knots for a wide range of purposes, and consistently practice climbing techniques.

## **REFERENCES**

**UW-Madison, Student Housing — *Student Custodian***

Aug 2019 - Nov 2020

- Worked with a diverse team
- Communication with peers and supervisors

**Jan Cheetham, PhD, UW-Madison Research  
Cyberinfrastructure Liaison**  
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