

Samuel Asher

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Recent Computer Science graduate and Systems Engineer with hands-on experience in scripting, full-stack development, and supporting large-scale infrastructure; seeking an entry-level software engineering role.

Education

Northern Arizona University – BS in Computer Science

Dec 2023

Relevant Coursework: Database systems, Data Structures, Algorithms, Parallel Programming, Computer Networks, Virtual Worlds, Software Engineering, Operating Systems, Artificial Intelligence, Unsupervised Learning

Experience

Systems Engineer - Wipro @ Microsoft Labs Site Services – Tukwila, WA

Jun 2024 – Present

- Supported 5,000+ servers and networking devices across enterprise-scale data center, maintaining operational uptime
- Diagnosed and resolved 100+ technical issues/month, handling ~10 tickets/day with 95% first-call resolution
- Automated repetitive tasks with internal Python and AutoHotKey scripts, including Excel plugin launchers and Mac user setup flows
- Deployed and maintained Windows Server environments; used PowerShell and KVM for diagnostics and remote admin
- Managed a 10,000+ asset inventory database, improving accuracy and traceability

Data Annotator - Data Annotation Tech – Remote

Dec 2023 – Jun 2024

- Analyzed thousands of coding-related data points to refine machine learning model training
- Improved AI understanding of coding topics, reducing incorrect responses and enhancing clarity
- Designed test scenarios to evaluate AI performance, ensuring comprehensive coverage of coding challenges
- Reviewed AI-generated code for correctness and best practices, resolving critical errors
- Assessed colleagues' work for quality and consistency, maintaining high project standards
- Tracked and corrected AI errors, documenting revisions to improve model performance

Projects

Time Tracking Application - *Python, Flask, JS, REST API, CSV*

A lightweight web app to track and categorize time spent on tasks.

- Developed a full-stack time-tracking application using Flask, implementing RESTful API routes
- Refactored the codebase to follow industry standard best practices, improving maintainability by separating concerns across modular components (routes, storage, and API logic)
- Enhanced data persistence and retrieval by managing logs and categories through CSV storage
- Improved error handling and HTTP response management, ensuring proper status codes for API reliability

Personal Portfolio Website - *React, JS, HTML/CSS*

Responsive website to showcase projects and skills.

- Built and deployed a fully responsive portfolio website using React, optimizing for both desktop and mobile devices
- Used lazy loading and code splitting to improve load speeds

Gamified Language Data Explorer - *PHP, JS, MySQL, HTML/CSS*

Interactive tool for exploring audio-text corpus data with game-like elements.

- Integrated SQL backend with PHP frontend for contextual search
- Designed gamified elements with JavaScript to boost user engagement and retention
- Deployed project on AWS, utilizing MySQL for backend support
- Developed and maintained a project website utilizing HTML and CSS

Skills

Languages: Python, JavaScript, Java, C++, R, SQL, PHP, HTML/CSS

Frameworks & Tools: React, Flask, MySQL, REST APIs, Git, Linux, AWS

Other: Bash, Unity, AutoHotKey