

Nathan Somers

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Professional Summary

I am a motivated early-career individual contributor with a strong foundation in software engineering from the University of Illinois, IT systems administration from industry experience, and mechanical aptitude from my personal and entrepreneurial experience. I am eager to apply myself to problems in business process improvement, to optimize manufacturing workflows, enhance system reliability, drive data-backed improvements, and ultimately *awaken the sleeping giant to reindustrialize the United States of America* as a Process Engineer, IT Technician, Software Engineer, or a combination thereof.

Experience

Systems Engineer and Operations Lead | Five Eyes Trading | Urbana, IL | May 2023 - Present

- Overhauled packaging and shipping operations by implementing new processes and materials, which increased order fulfillment throughput by 150% (from ~40 to 100+ orders) and expanded shipment weight capabilities to 60 lbs.
- Revolutionized the supply chain and repair operations by strategically sourcing new vendors, slashing material costs and repair times by up to 90% while simultaneously expanding the range of repairable inventory.
- Designed and implemented a new inventory system for replacement parts, cutting retrieval times from minutes to seconds and accelerating the entire repair workflow.

Systems Developer | Gies College of Business, University of Illinois | Champaign, IL | June 2022 - February 2023

- Streamlined applications by identifying and removing unneeded software dependencies, which enhanced system security and improved code maintainability for the development team.
- Managed the deployment of software updates into production environments, successfully resolving critical bugs to improve system stability and enhance long-term software maintainability.

Technical Support Specialist | Parkland College | Champaign, IL | March 2021 - June 2022

- Provided comprehensive IT support to faculty and staff, resolving over 300 tickets during my employment across a wide range of hardware, software, and networking issues.
- Managed a complete hardware refresh for the Institute of Aviation, deploying 40 new workstations and 10 laser printers by decommissioning old equipment, imaging new machines, and providing post-installation support to ensure a seamless transition for users.

Gun Barn Associate | Rural King | Champaign, IL | January 2021 - August 2021

- Executed federal firearms transaction paperwork with meticulous attention to detail, ensuring strict regulatory compliance and maintaining a high degree of submission accuracy.

- Provided in-depth, consultative guidance to customers on firearm features and selection, successfully translating a 45-minute, multi-product demonstration into a finalized sale.
- Executed a complete departmental overhaul based on new planograms, utilizing a pallet jack to reorganize inventory, which significantly improved the store's visual merchandising and customer accessibility.

Systems Analyst Intern | CyrusOne, NASDAQ:CONE | Dallas, TX | June 2017 - August 2017

- Drove a key process standardization initiative to support the company's 500% scaling in annual construction projects; interviewed cross-functional engineering and business teams to map the entire data center construction lifecycle.
- Translated the end-to-end construction process into a comprehensive Gantt chart using Microsoft Project, documenting and flagging key inefficiencies and roadblocks to provide insights for future workflow improvements.

Projects

Floor-Standing Drill Press Overhaul

- Interpreted OEM technical diagrams and schematics from Delta Machinery to guide the disassembly, maintenance, and reassembly process.
- Troubleshoot and repaired an internal electrical fault, performing corrective maintenance to restore equipment to full operational status.
- Reconditioned and polished the main column and restored table movement on three axes to ensure smooth, precise operation.
- Tuned and verified chuck trueness using a dial indicator for high-accuracy drilling.

Skills

- **Programming Languages:** Python, C#, C, C++.
- **Data Analysis & Statistics:** MS SQL Server, R, Statistical Modeling (e.g., Bayesian analysis).
- **Systems Administration:** Linux (Primary OS), Windows.
- **CI/CD and Developer Tools:** Git, GitHub, GitHub Actions, LLVM, GCC, Microsoft .NET.
- **Process Optimization:** Supply Chain Management, Workflow and Systems Design.
- **Software and systems:** Advanced Computer Proficiency & User Support, MS Office Suite (including MS Project) and Asana project management, Google Gemini.

Professional Associations

Association for Computing Machinery (ACM) - University of Illinois Chapter | Oct 2023 - Present

- **Committee Chair, Infrastructure:** Directed the committee to upgrade the chapter's hardware inventory system, which reduced equipment search times, prevented inventory loss, and expanded opportunities for member projects.

- **Member, GNU/Linux Users' Group:** Authored and delivered technical presentations at member meetings on diverse topics including "Threaded Fasteners for Computer Science," "Systems Management in Theory," "A Brief History of the Cypherpunks," and "Wikipedia Editing for You."

Cal Linux Users Group - University of California Berkeley | August 2025 - Present

- **Co-lead:** Re-established the organization's online presence after a 15-year hiatus by setting up the official GitHub organization, website, and communication platform.

Certifications

- ASME Y14.5-2009 Geometric Dimensioning and Tolerancing Technician - 2025 (Anticipated)
- CompTIA Security+ - 2024
- CompTIA Cybersecurity Analyst+ (CySA+) - 2024
- CompTIA Network+ - 2023
- CompTIA Linux+ - 2023
- Illinois Concealed Carry (CCL) - 2022

Education

Parkland College - Champaign, IL *Associate of Science in Computer Science*, Awarded December 2022

University of Illinois Urbana-Champaign - Urbana, IL *Bachelor of Science in Statistics and Computer Science*, Completed 60 hours - August 2016 - December 2018

- **Section Head, Marching Illini Drumline:** Lead rehearsals and provided administrative support while also a performing member for millions of fans