# Radison Akerman

radison@radison.io  radison.io  linkedin.com/in/radison

## Experience

### Project Manager & Software Engineer @ University of Illinois Chicago College of Engineering
Aug 2021 — May 2024 // Chicago, IL
- Organized a team of 6+ software engineers and contributed directly to 10+ full-stack web apps used by 3,000+
- Led the push towards web app modernization across the College using Nuxt, Next.js, Spring Boot, Vue, React, SQL, Auth0
- Single-handedly developed and published a Shibboleth (SAML SSO) to Express (Node.js) authentication package on npm
- Drafted and enforced university IT policies and procedures, identified data risks across all 500+ faculty and staff

### Software Engineering Intern @ nvisia
Dec 2023 — Jan 2024 // Chicago, IL
- Integrated REST API endpoints into a C#.NET consultant profile builder web app using Entity Framework, SQL Server
- Collaborated with 3 front-end/dev-ops interns, 5 back-end mentors, and 2+ business stakeholders in an agile/scrum environment
- Gained unique, small-scale consulting experience spanning multiple industries and full-stack disciplines

### Software Engineering Intern, Starship Software @ SpaceX
May 2023 — Aug 2023 // Starbase, TX
- Owned Starship Config Signoff, a critical flight reliability tool used by 100+ Starship engineers to validate 1M+ vehicle config values
- Spearheaded development of 10+ features into Signoff: rebuilt Flask APIs, new SQLAlchemy query structure, refreshed React UI
- Integrated a software version verification Python library concurrently into a Rust operations platform, reducing deploy time by 40%
- Built functioning UI mockups in Lit, CSS as part of Starship software deploys rework, participated in design conversations and CDRs

### Digital Lead @ Steven Olikara for U.S. Senate
Apr 2022 — Aug 2022 // Milwaukee, WI
- Completely rebuilt campaign website from the ground up using Nuxt, Tailwinds; visited by 1,000's of Wisconsinites daily
- Secured sensitive campaign data and digital infrastructure against cyber attacks using Cloudflare, NGP VAN, Informr
- Worked with a team of web developers and content creators to rapidly push media; took photographs in the field

### Software Engineering Intern @ Montel Technologies
Nov 2017 — Sep 2018 // Loves Park, IL
- Lead front-end web developer on an enterprise-grade, on-prem security unification solution (MTOP) built using Node.js, MongoDB
- Configured mission-critical SLA networks and infrastructure in the field; physically installed switches, IP cameras, access control
- Coordinated IoT devices R&D (Particle, Raspberry Pi, Cradlepoint) for use in 100's of deployed edge policing units across Rockford, IL

## Education

### University of Illinois Chicago
Aug 2020 — May 2024 // Chicago, IL

Bachelor of Science in Computer Science, Minor in Business Administration; 3.96 GPA

## Skills

**Languages**  Python, C, C++, Java, Rust, JavaScript, TypeScript, C#, F#, Go, SQL, Bash, HTML, CSS

**Software**  Git, Cloudflare, AWS, Docker, Node.js, Nuxt, Express, Flask, SQLAlchemy, MongoDB, Vue, React, Tailwinds, .NET, VMware

**Interests**  Networking, Cloud computing, Concurrency, IoT, CI/CD, Automation, Full-stack development, DevOps, Cybersecurity, Blockchain

## Projects

### Exploding Chickens @ chickens.rakerman.com
- A full-stack online card game built using Node.js with 1,250+ games played by 600+ players; led development and a team of 5
- Delivered 3 300-level guest lectures at University of Illinois Chicago detailing project structure, schema, testing, viewed by 200+

### Author @ author.rakerman.com
- A centralized user management backbone leveraging edge cloud compute, built using Cloudflare Workers, Nuxt, Auth0
- Saved and managed 100's of user profiles; API distributed for use across 10+ external services to keep profiles up-to-date

*See all 20+ projects at **radison.io#projects**, publications at **radison.io/publications***