

Colin Gorski

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EDUCATION

University of Connecticut

B.S. Computer Science, May 2025

Storrs, CT

- GPA: 3.6/4.0
- Relevant Coursework: Software Engineering, Cloud Computing, Data Structures and Algorithms, Artificial Intelligence, Systems Programming, Computer Architecture, Databases

EXPERIENCE

Software Engineer (Manufacturing)

Lockheed Martin – Sikorsky

July 2025 – Present

Stratford, CT

- Developed and deployed a full-stack, SSO-enabled web application for manufacturing observability (React, Typescript, C#), hosted on-premises via Kubernetes logging to Splunk and providing downtime alerting
- Engineered a full-stack pick-to-light system (React, Typescript, C#) that cut material-location time by 80% (260+ technician hours monthly) by parsing job materials and driving a bin-lights controller
- Shipped GitOps-style CI/CD for harness tests with a custom-built linter enforcing standards; containerized pipeline delivers 20s deploys with commit-linked, versioned releases and rollback

Software Engineering Intern

Lockheed Martin – Sikorsky

May 2024 – July 2025

Stratford, CT

- Owned full-stack job-tracking native app (C#, Typescript, MSSQL) used by 200+ shop-floor technicians; cut average job-search time from 12 min to 2 min (10 min saved/job, \$7,200 monthly)
- Architected WPF harness-diagramming tool (C#, Oracle SQL) replacing 30-year-old PDF workflow; reduced wiring errors by 8% and eliminated 8-10 hours weekly manual drafting

Undergraduate Teaching Assistant – Systems Programming

University of Connecticut

Aug 2023 – May 2024

Storrs, CT

- Maintained Dockerized autograders and CI pipelines for 12 C assignments used by 300+ students; integrated GitHub Actions and unit-tests enforce test-driven development standards.
- Led weekly lab section (20–25 students); began memory-leak workshops, resulting median mid-term score +11pts

SELECTED PROJECTS

ForeAdvantage Golf - Website | Next.js, TypeScript, AWS CDK, Stripe

Jul. 2024 – Present

- Shipped a Next.js 15 SaaS that monitors 610+ golf courses and alerts users to tee times via a Telegram bot
- Built serverless AWS backend with Step Functions polling every 2 min, caching tee times for viewing
- Integrated Stripe subscriptions, NextAuth.js (Google OAuth), 1-click user telegram notification setup
- Deployed with zero-downtime CI/CD with vercel and AWS CDK; 99.9 % uptime, \$0.08 cost per 1k searches
- Grew to 20+ users within 6 months; surfaced 1,300+ tee times; p95 time-to-success of 3.6 hours

Magic Folder - Open Source | C++20, Faiss, Ollama, SQLite, SQLCipher, zstd

May. 2025 – July 2025

- Built privacy-first, semantic file-manager that indexes and searches 10k+ local documents without cloud calls
- Architected high-performance embedding pipeline (C++) that streams files to Ollama model of choice
- Integrated Faiss for sub-50 ms vector similarity search across embeddings; 95% top-5 precision on user queries
- Designed a SQLite schema for metadata and vector embeddings; enforced encryption-at-rest via SQLCipher with OS-level key management; and applied Zstandard (zstd) compression to minimize storage footprint.

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, C#, C, C++, C#, Java, Python, SQL, Lua, Bash

Frontend: Next.js 15, React, Recharts, shadcn/ui, Tailwind CSS, Vue.js

Backend: .NET, Express, Node.js, Clouflare Workers, Step Functions

Databases: PostgreSQL, MySQL, SQL Server, DynamoDB, SQLite, Faiss

Cloud / DevOps: AWS (CDK, API Gateway, CloudFront, S3, EC2), Kubernetes, Docker, GitHub Actions, Linux

APIs / Payments: Stripe, Auth0, OAuth 2.0, REST

Tools: Vim, Git, GitHub, GitLab, Swagger, Postman, Figma, Trello, Tailscale