

Cole Kreiling

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EXPERIENCE

Junior Software Engineer Intern

500 Acres (formerly BarndosOnly) | [Scout](#) | Hidden Springs, ID / Remote | Feb 2026 - Jul 2026

- Promoted from AI & Systems Fellow to own Scout, a production AI agent platform serving five internal teams and public users across thousands of questions.
- Designed, implemented, tested, and deployed separate Next.js/TypeScript runtime and admin apps using direct SQL with PostgreSQL/pgvector, OpenAI APIs, authentication, RBAC, and signed service requests.
- Drove automation of knowledge updates from Google Sheets, enabling nontechnical staff to maintain sources without developer intervention and removing a single-maintainer intake bottleneck.
- Accelerated repository-level prototyping, debugging, and refactoring with Codex and Claude Code; reviewed diffs and validated changes through tests, linting, builds, CI, logs, and health checks.

AI & Systems Fellow

BarndosOnly | Hidden Springs, ID / Remote | May 2025 - Feb 2026

- Designed and built five GPT-based support agents with custom Next.js frontends, Google Sheets knowledge sources, and question logging, supporting about 600 internal and public questions.
- Implemented department routing, support-tier classification, unresolved-question tracking, and escalation to human owners for cross-team support requests.
- Owned Google Sheets, Forms, and Apps Script automations that replaced manual intake, scheduling, knowledge logging, and reporting across multiple teams.

PROJECTS

Campus Incident Explorer | Oct 2025 - Nov 2025 | bsucrim.colekreiling.com

- Owned a scheduled Node.js/Cheerio pipeline that ingests Boise State's public crime log every 12 hours, skips malformed rows, and writes only when source data changes.
- Used Codex to prototype major Next.js/Node.js features; reviewed and validated search, filtering, trend analysis, visualizations, mapping, and CSV export.
- Built a Google BigQuery analytics workflow for 197 campus incident records using GoogleSQL aggregations, joins, date handling, calculated fields, and reusable views.

WarStock | May 2025 - Jun 2025 | warstock.colekreiling.com

- Owned an hourly Python/React data pipeline combining price-movement signals from five aerospace and defense equities with three Google News RSS feeds, persisted score history, and a serverless delivery API.
- Built a transparent 0-100 risk-scoring model using weighted market and news signals, with numeric validation, score fallbacks, and JSON output protections for reliable hourly updates.

TECHNICAL SKILLS

Languages: Java, Python, SQL, C, TypeScript, JavaScript, Shell

Software/Systems: Next.js, React, Node.js, PostgreSQL/pgvector, REST APIs, Git/GitHub Actions, Jest, Vercel, Google Apps Script, Google BigQuery (GCP), Linux

AI-Assisted Development: Codex, Claude Code; repository-level prototyping, debugging, refactoring, code review, and validation

EDUCATION

Bachelor of Science in Computer Science, Machine Learning Emphasis

Boise State University | Boise, ID | Expected May 2028 | GPA: 3.83/4.00

Honors: Presidential Scholarship; Honors College; Dean's List (4 semesters)

Coursework: Data Structures, Programming Languages, Microprocessors, Digital Systems, Software Development in C, Essentials of Data Science, Web Development

LEADERSHIP

President

Boise State Alpine Club | Boise, ID | May 2025 - Present

- Drove membership from about 40 to 110+, recruited four officers, and led 12 events including seven outdoor trips while owning safety, transportation, gear, communications, and partnerships.