

Nicholas Henley

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EDUCATION

University of Colorado Boulder

Bachelor of Science in Computer Science - Minor in Data Science

Aug. 2021 – May 2025

Boulder, CO

EXPERIENCE

Leeds School of Business - Canvas Course Building Team

Student Assistant

Oct. 2023 – May 2025

- Created and maintained Canvas LMS pages for professors in Leeds School of Business' Graduate Program
- Self-started project to improve existing data consistency and quality by enforcing formatting rules
- Developed an excel macro to streamline data entry process; significantly improved data entry speed across teams
- **Awards:** Nominated for Student Employee of the Year

PROJECTS

Volunteer Lead Developer - Portland Indigenous Marketplace

October 2023 - March 2024

- Lead team of peers to develop an internal management tool for non-profit
- Communicated with non-profit to document features and requirements
- Lead team discussions to plan features and break down coding challenges while assigning tickets
- Encouraged team collaboration with weekly standups and pair programming
- **Stack:** Next.js, React, Tailwind, Node.js, Express, Postgres

NTN for IoT Exploration - Senior Capstone

Sept. 2024 – May 2025

- Explored the viability of Non-Terrestrial Networks (NTN) for IoT applications with BI Incorporated
- Delivered AWS pipeline for collecting IoT data and an analytics interface comparing NTN to Wifi/LTE connectivity
- Implemented an adapter pattern for the monogoto modem's UDP/TCP interfaces allowing use of common libraries for data encoding and networking
- **Stack:** Arduino, C, AWS Lambda, Next.js

Portfolio Site

March 2026

- Designed and hosted a dynamic portfolio site that fetches live project data
- Improved site update process by creating a simple content management interface
- Explored using Framer Motion for creating responsive animated sites
- Managed deployment of infrastructure and project with Kubernetes
- **Stack:** Next.js, MUI, Tailwind, Framer Motion, Postgres, Minio

Technical Skills

Languages: Go, Java, Python, C/C++, SQL, JavaScript, Typescript, HTML/CSS

Frameworks: Next.js, React, Node.js, Express.js, Material-UI, Tailwind

Infrastructure Tools: Docker, Kubernetes, Helm, Ansible, Proxmox, Kafka, Github Workflows

Developer Tools: Git, VS Code, Claude CLI, Tailscale

Libraries: Pandas, NumPy, Matplotlib