

almond Heil (/ˈhaɪl/)

I'm most interested in server maintenance and making user-facing utilities, and looking for a post-bachelor's position.

✉ contact@almdra.dev
🏠 almdra.dev
🔄 github.com/almondheil

Education

Grinnell College Computer Science, B.A.
Grinnell, IA Aug. 2021 – May 2025 (expected)

- 3.808 GPA
- Coursework including Operating Systems, Parallel Programming, and Theory of Computation
- Dean's List F21, F22, S23, F23, and S24 semesters

Selected Experience

Grinnell College CS Department Grinnell, IA
Teaching Assistant, CS 161 and 213 Jan 2023 – Present

- **Built an understanding of teaching** foundational programming and operating systems
- Acted as a **resource for student learning** during class sessions and weekly mentor sessions

Los Alamos National Labs, HPC-DO Los Alamos, NM
Supercomputer Institute Student Jun-Aug 2024

- Designed, built, and **maintained a cluster** of 10 nodes
- Learned to operate cluster from the ground up, progressing from **manual to automated administration**
- Explored containerizing the Cray Programming Environment for the Programming Environments team

Los Alamos National Labs, XCP-DO Los Alamos, NM
Parallel Fellowship Student Jun-Aug 2023

- Explored **one-sided MPI** communication paradigms
- **Developed a new algorithm** for particle transport in Branson, a lab testing code for radiation transport

Los Alamos National Labs, T-6 Los Alamos, NM
Computational Biology Undergrad Intern Jun-Sep 2022

- Studied **inferring HIV infection times** based on phylogenetic trees

Technical Skills

☰ Ansible · OpenCHAMI
Slurm · MPI · Docker

🔧 Git · Bash · Vim · SSH

⌘ C · Python · Rust
Racket · Haskell · Java

Favorite Projects

give-take Grinnell
User-to-user file transfer built for school CS network

Inspired by 'give' utility on Los Alamos National Lab systems

ftag Personal
Arbitrary file tagging intended for photo libraries

Maintains a small database of associations

More at github.com/almondheil

Hobbies

THEATRE Stage management
Sound design

ART Origami (esp. modular)
Pixel art
Tabletop roleplaying game (TTRPG) design