

# 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](mailto:contact@almdra.dev)  
🏠 [almdra.dev](https://almdra.dev)  
🔄 [github.com/almondheil](https://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](https://github.com/almondheil)

## Hobbies

THEATRE Stage management  
Sound design

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