

# almond Heil (/ˈhaɪl/)

I'm interested in server maintenance and developing 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)  
• 3.848 GPA, 4.000 Major GPA  
• Coursework including Operating Systems, Parallel Programming, and Programming Language Theory  
• Dean's List F21, F22, S23, F23, and S24 semesters

## Selected Experience

**Grinnell College CS Department** Grinnell, IA  
Teaching Assistant, various courses Jan 2023 – Present  
• **Built an understanding of teaching** by mentoring both introductory and advanced CS courses

**Los Alamos National Labs, HPC-OPS** Remote  
Systems Undergrad Intern Aug 2024-Present  
• Contributed to the development of **Ochami**, a novel cluster **management infrastructure**

**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  
• **Developed a one-sided MPI algorithm** for particle transport in lab testing code Branson

**Los Alamos National Labs, T-6** Los Alamos, NM  
Computational Biology Undergrad Intern Jun-Sep 2022  
• Studied **infection time inferral** from phylogenetic trees

## Technical Skills

📋 Linux · Ansible · Slurm  
Ochami · Docker · MPI  
🔧 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 at Los Alamos National Lab  
• **Skills:** TCP networking, file serialization, daemons

**ftag** Personal  
• Arbitrary **file tagging** intended for photo libraries  
• **Skills:** Rust, databases, argument parsing

## Hobbies

THEATRE Stage management  
Sound design  
ART Origami (esp. modular)  
Pixel art  
Tabletop roleplaying  
game (TTRPG) design