

almond Heil (/ˈhaɪl/)

Hi! I like messing around with computers,
and I only *sometimes* break the whole OS.

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Education

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

- 3.808 GPA
- Computer Science coursework including Operating Systems, Parallel Programming, Theory of Computation
- Additional coursework in linguistics, pure math, and theatre
- Dean's List

Selected Experience

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

- Held weekly mentor sessions to address student uncertainties, study topics, and programming questions
- Built a strong understanding of foundational and operating systems through teaching
- Acted as a resource for student learning, in and out of class

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

- Designed and built a 10-node supercomputer cluster
- Administrated cluster from the ground up, progressing from manual to automated administration methods
- Explored containerizing the Cray Programming Environment, enabling faster program development for lab scientists and HPC staff.

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

- Explored one-sided MPI communication paradigms
- Developed a new transportation method for Branson, a lab testing code for radiation transport

Languages

FAVORITES C · Python · Rust

C ●●●●●
HASKELL ●●○○○
JAVA ●●●○○
PYTHON ●●●●●
RACKET ●●●○○
RUST ●●○○○
TeX ●●○○○

Tools

🔧 Git · Vim · SSH · Bash

📋 OpenCHAMI · clush · Ansible
Slurm · Powerman · MPI · Docker

>_ grep · sed · awk
seq · tr · tail

✍️ L^AT_EX · Markdown

Hobbies

SYSADMIN Server maintenance
Bash wizardry
OS design

THEATRE Stage management
Lighting design
Sound design

ART Origami (esp. modular)
Pixel art
Tabletop RPG design