Almond Heil
Santa Fe, NM

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https://github.com/almondheil

Qualifications

- Familiarity programming in Java, C, and Python on GNU/Linux systems

- Leadership and teamwork in various group programming environments

- Experience in rubric-based peer evaluation

- Independent research experience

Education

- **Grinnell College** — Grinnell, IA
  3.696 Unweighted GPA — *2021 - Present*
  - Coursework in Computer Science, Mathematics, History
  - Intended Major in Computer Science

- **Mandela International Magnet School** — Santa Fe, NM
  4.902 Weighted GPA — *2017 - 2021*
  - Higher Level coursework in Biology, Language & Literature, and Theatre
  - Full International Baccalaureate Diploma

Relevant Experience

- **Grinnell College Computer Science Department** — Grinnell, IA
  Class Mentor — *Jan 2023 - Present*
  - Helped students in an introductory computer science course learn by answering questions in labs during class.
  - Provided support in weekly mentor sessions, providing an additional resource to the course instructor's help.
  - Developed communication and active questioning skills.

- **Los Alamos National Lab** — Los Alamos, NM
  Undergraduate Intern — *Jul - Nov 2022*
  - Developed a coalescent model to infer transmission history in HIV transmission pairs
  - Worked with a small group in order to explore scientific possibilities and develop programming skills
  - Presented theory and results to scientific audiences, clarifying and solidifying knowledge

- **Serious Programming Courses Book** — Santa Fe, NM
  Chapter Author — *Jul - Aug 2021*
  - Wrote a book chapter introducing readers to agent-based modeling
  - Presented chapter to a small group of students, who created their own models

- **Institute for Computing in Research** — Santa Fe, NM
  Intern — *Jun - Jul 2021*
  - Created an agent-based simulation of predator-prey interactions
  - Worked closely with a mentor in order to develop research and coding skills

Skills

- Programming Languages: Java, C, Python, shell scripting

- Operating Systems: Linux, MacOS, Windows

- Software: LaTeX, Git, Vim, Emacs

- Languages: Native English, Intermediate Spanish

Awards

- Grinnell College Dean's List (Fall 2021)

- Mandela International Magnet School Academic Excellence Award (2020)

- Mandela International Magnet School Ubuntu Award (2019)

- NMAA One-Act Competition Division Placing - Stage Manager (2019)