Brian Goodell

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Education

Grinnell College   *Grinnell, IA*

BACHELOR OF ARTS - COMPUTER SCIENCE AND POLITICAL SCIENCE   *Class of 2024*

- Overall GPA: 3.9 | Computer Science GPA: 3.9   Political Science GPA: 4.0

Experience

Senior Interviewer   *Grinnell, IA*

GRINNELL COLLEGE   *Aug. 2023 - Present*

- Conducting evaluative interviews with prospective applicants.
- Co-presenting information sessions and responding to questions.
- Independent project management and content creation

Machine Learning Mentor   *Grinnell, IA*

GRINNELL COLLEGE   *Jan. 2023 - Present*

- Advising on content and co-running labs for a 300-level Machine Learning class.
- Communicating and explaining complex ideas to students of different levels.
- Reinforcing my own understanding of the material through teaching.

Development Team Lead   *Grinnell, IA*

STEW MAKERSPACE   *2021 - 2022, 2023 - Present*

- Managing a team and its transition while ensuring the ease of future development.
- Coordinating between two organizations and facilitating data coordination.
- Hands-on web-development work, while untangling and improving upon existing systems.
- Upgrading software and data practices to ensure security and compliance.

Monitor   *Grinnell, IA*

STEW MAKERSPACE   *Jan. 2021 - Present*

- Supervising and mentoring college students in a hands-on technical environment.
- Maintaining and troubleshooting advanced manufacturing equipment and software.
- Overseeing a dynamic workspace to ensure safety protocols are followed.

Senior Counselor   *Bemidji, MN*

CONCORDIA LANGUAGE VILLAGES, EL LAGO DEL BOSQUE   *Summers 2020 - 2023*

- Taught Spanish to teens and adults, including lesson planning and full immersion.
- Managed groups of students while talking in a foreign language.
- Communicated constructively and supportively, while coordinating with other counselors in a chaotic camp environment and in a second language.

Skills

Programming	Python, Java, C/C++, JS, R, Racket, MIPS
Web	Django, Vue, HTML, CSS, Gunicorn, Nginx
Spoken Languages	English, Spanish

Selected Course Work

Final Project - Tank
2023

CS-213: OPERATING SYSTEMS

- Wrote a simple but really addictive multiplayer game in C.
- Wrote a distributed CUDA password cracker to run in the background of all the machines playing that game.
- When presenting, we got a rate of ~100 billion SHA256 hashes per minute and a really fun 12-player tank tournament!.
- > Project and Demo Video Here

Individual Projects

Roos Run
2023-2024

GRINNELL CROSS COUNTRY

- Developed a django site with posts/comments for the team to communicate and log runs.
- Set up a server from scratch, dealing with domain registration, static content hosting, and optimization.
- 20+ users, and helped bring alumns back into interaction with the team
- > RoosRun.com

Other Activities

Runner & Team Captain
Grinnell, IA

GRINNELL CROSS COUNTRY & TRACK AND FIELD
Jan. 2021 - Present

- Team leader & coordinator. Regular meetings to schedule events.
- Spent 3-4 hours daily at practice, with most Saturdays being taken up by meets.
- One school record, five other top-10 times. Six individual and one team conference championship!

Volunteer
Grinnell, IA

POWESHIEK ANIMAL LEAGUE SHELTER
Jan. 2023 - Present

- Helped around the shelter, cleaning kennels, doing laundry, and running with the dogs.
- Organized events to get the Cross Country team out on runs with our dogs.

Coleader
Grinnell, IA

GRINNELL COLLEGE - CONTRA DANCE CLUB & SWING SOCIETY
Aug. 2023 - Present

- Led the two largest dance student organizations on campus!
- Coordinated events and encouraged others to come have fun and meet new people.
- Taught fellow students how to dance.