

JINNY EO

Full-Stack Developer combining engineering depth with user-centered functionality
US Citizen | Grinnell, Iowa | 641.260.4062 | eojinny@grinnell.edu | [Github](#) | [LinkedIn](#)

EDUCATION

GRINNELL COLLEGE

Bachelor of Arts, Computer Science

Cumulative GPA: 3.4/4.0

Grinnell, Iowa

Expected Graduation: May 2026

Selected Coursework: *Theory of Computing, Object-Oriented Problem-Solving Data Structures and Algorithms, Functional Problem-Solving, Imperative Problem-Solving, Software Development, UI/UX, Mobile Development, Algorithms Ethics & Society, Graph Theory, Linear Algebra*

EXPERIENCE

Youphoria

Remote

Technology Manager

September 2025 - Present

- Directed iOS app development and managed a 5-member tech team to implement a startup app with 1000+ users.
- Led monthly all-hands meetings with 50+ attendees to report milestones and align priorities.

iOS Developer, Technology Intern

January 2025 - September 2025

- Engineered real-time messaging and per-user per-group notifications with Swift, Firebase Firestore, and JavaScript, improving user responsiveness by 20%.

ELBICA (Enhancing Lives with Bio-Inspired Computational Approaches) Lab, Grinnell College

Grinnell, IA

Research Assistant

May 2024 – December 2024

- Conducted research on bio-inspired AI, developing a cognitive model integrating distributed representations in multimodal architectures.
- Performed literature review of 50+ research papers to design a Bayesian approach for precise causal inferences in reasoning.
- Improved model computational efficiency by 20% by optimizing verbal and visual reasoning processes.

Grinnell College

Grinnell, IA

Student Software Developer

August 2024 – Present

- Developed a full-stack Title IX support app using React Native Expo and REST APIs to improve student access to resources.
- Designed a 30-frame UI/UX prototype in Figma and integrated client feedback, reducing major usability issues by 40%.
- Secured 1st place and a \$500 reward in a pitch competition against 10 teams.

LEADERSHIP

Girls Who Code

Grinnell, IA

Facilitator

August 2024 – Present

- Led 2 weekly coding sessions for a total of 30+ female or nonbinary students, introducing computer science fundamentals.
- Guided hands-on projects with a 95% completion rate working with Sphero robots and a 30% increase in participation.

ML/AI Club, Grinnell College

Grinnell, IA

Leader

August 2024 – December 2024

- Organized meetings twice weekly and led projects for 30 students to learn ML/AI concepts.
- Delivered technical talks on ML/AI projects and industry concepts such as introductions to RL, hackathons, and more to club members.
- Led a group of 4 for a full-stack project with a personalized recommendation engine utilizing the KNN algorithm to suggest from a range of 128 quotes tailored to user preferences.

PROJECTS

[Custom Unix Shell](#) | C, Linux System Programming

- Built a Unix-like shell that allows starting and managing programs, supporting background process execution, multiple sequential commands, and built-in commands.
- Managed process control via fork, execvp, and waitpid for synchronous and asynchronous process execution.

[Sorting Algorithm Visualizer](#) | HTML, CSS, JavaScript, Flask, Matplotlib, Numpy

- Implemented a full-stack web application to visualize the bubble, merge, and insertion sorting algorithms in real-time, using Flask for backend and Matplotlib for algorithm animation.

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages: Python, C, Java, Scheme, R, JavaScript, HTML, CSS, SQL

Environments/Tools: Flask, Django, ReactJS, NextJS, PostgreSQL, Git, Numpy, Matplotlib, Scikit-learn, Bootstrap, Microsoft 365, Spring

Certifications: AWS Introduction to Computing (Amazon Web Services, 2024)