

LILLIAN ELLISON

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Software and Web Developer with an extensive background in veterinary medicine. Driven to provide end-users attractive, functional platforms best suited to their needs. Quick learner with a passion for intuitive design. Strengths in logic, problem-solving, and creativity.

TECHNICAL SKILLS Java, Python, SQL, HTML, CSS, JavaScript, NodeJS, Express, Oracle, Django, React, Docker, CI/CD Pipelines, Agile, TypeScript, NoSQL, C++, AWS, Firebase, REST APIs, OOP

PROJECTS

Animal Rescue Coordinator (ARC) | MongoDB, Express.js, React, Node.js, GitLab, Firebase [Live](#) | [GitLab](#)

- Created and maintained dynamic MERN website deployed over render and Firebase
- Utilized JWTs and Bcrypt to authenticate and authorize users with hashing to ensure security
- Implemented Multer middleware to handle multipart/form-data for uploading images
- Executed React hooks and APIs to render error messages and database information

Hangry Boids | Unity, C#, GitHub

[Live](#) | [GitLab](#)

- Designed soundscape for flocking simulator with variable particle behavior
- Developed and implemented GUI using Unity
- Collaborated within a team of 4 students using GitHub to enhance the repository's features, improve code quality, and address issues
- Made more than 42% of total commits and contributed over 400,000 lines of code

Black Dog Construction | HTML, CSS, JavaScript, Bootstrap, Google Fonts

[Live](#)

- Designed, deployed, and maintain professional website for construction company
- Utilized attractive color scheme and intuitive layout
- Communicated closely with company owner to ensure website met all specifications

EDUCATION

Full-Stack Software Development | *TechWise by TalentSprint, Powered by Google* Sep 2024

A.A.S. in Computer Information Systems | *Des Moines Area Community College* May 2024

B.S. in Biological Sciences | *Montana State University* May 2006

WORK EXPERIENCE

Communications Intern | *Iowa State Fairgrounds (ISF)* Jun 2023 – Aug 2023

- Established connections and installed equipment to seamlessly distribute both wired and wireless internet for over 1 million guests.
- Initiated charge of troubleshooting and delivering top-tier customer service to a diverse range of over 20,000 vendors at World Pork Expo 2023 and the 2023 Iowa State Fair.
- Improved internet speed and connectivity across the fairgrounds by splicing fiber optic cables and checking fiber viability with an optical time-domain reflectometer (OTDR)

Medical Records Technician | *Iowa State University Veterinary Medical Center* Jan 2019 – Dec 2022

- Ensured consistent medical care of small animals by processing, verifying, and requesting necessary corrections of over 100 medical records per day on average.
- Increased departmental effectiveness and efficiency by 150% by training student employees to process records and fulfill requests.
- Improved the proprietary Cyclone Veterinary Information System (CVIS), a veterinary medical management program, through collaboration with the System Analyst and program creator.