BENNETT M. ANDERSON

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All Personal Projects & Publications Available for Viewing
@ Bennett-Anderson.com

PRACTICAL EXPERIENCE

Undergraduate Research Assistant
ISU Department of Chemical and Biological Engineering

📅 Jan 2025 – Present

- Designs experiments for identifying genetic knockdowns and validating selections.
- Performs transformations, minipreps, PCR, gels, and other standard protocols.
- Uses MATLAB/Python for low-bp alignment of noisy genomic sequences.
- Uses PyMOL for ligand binding + structural comparison.
- Collaborates with graduate student, meets with PI, and presents semesterly.
- BSL-1 trained with strong microbiology/biochemistry fundamentals.

HIGHLIGHT / RECENT PERSONAL PROJECT

Bennett-Anderson.com
Personal Website

- Designed and deployed a responsive portfolio site using Next.js, TypeScript, and Tailwind CSS.
- Implemented multi-device compatability of features, dark mode toggles, animated navigation, and project showcase with GitHub integration in a system designed for easy expansion.
- Hosted on Vercel with custom domain; demonstrates full-stack web development, UI design, and adaptive ability to quickly become productive with unfamilliar tools.

ISU LEADERSHIP ACTIVITIES

Peer Mentor, BME 1040

📅 Jul 2024 – Dec 2024

- Led a roughly 20 freshmen class; weekly custom lesson plans.
- Held 1:1 goal-planning and support sessions.
- Coordinated and conducted events fostering positive faculty and student relationships.

Lap Simulation & Testing Engineer
ISU FSAE Team

📅 Aug 2023 – Nov 2024

- Programmed MATLAB acceleration simulation to influence top-level design choices.
- Modeled parts in SolidWorks for concept demos.
- Mentored new members; contributed to test days.

EDUCATION

B.S. in Biomedical Engineering
Iowa State University - 3.53/4.00

📅 Expected May 2027

- Minor in Pharmacology

SKILLS & SOFTWARE

MATLAB   Python   LaTeX

SnapGene   PyMOL

SolidWorks

Experimental Design

Genomic Data Alignment

Protein Visualization

Microbiology Techniques

Technical Presentation

Git/GitHub

LOCAL INVOLVEMENT

Tutor
Iowa State University

📅 Feb 2025 – May 2025

- Supported students in physics and biology.

Model
ISU Fashion Show

📅 Jan 2024 – Apr 2024

- Walked runway for 2 outfits + designer set.
- Collaborated with designers + directors.

Volunteer
Food at First

📅 2023 – 2024

- Helped provide food for community members in need.

Document personally designed in LaTeX