

Brianna Patten

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Personal Webpage: Brianna-P.github.io

EDUCATION

University of Oklahoma

Norman, OK

BS/MS in Computer Science, Minor in Math – 3.89/4.00 GPA

Expected Graduation: May 2026

• Clubs and Participation:

- OU AI/ML – Member
- Sooner Rover Team – Member
- HackMIT 2024 – Prospective Participant
- Hacklahoma 2023, 2024 – Participant
- Symposium 2024 – Participant
- OU's AGRI:AI 2024 – 3rd Place Overall

• Relevant Classes:

- Computer Security, Database Management, Computer Architecture, Software Engineering, Algorithm Analysis

EXPERIENCE

Website and Social Media Manager

Sep. 2023 – Present

Provision Coffee and Bakery

Oklahoma City, OK

- * Enhanced social media presence, boosting weekly web and media traffic by up to 30%.
- * Revamped website post-ownership-transition, enabling online orders and performing regular maintenance.
- * Utilized WordPress, Squarespace, Facebook, and Instagram to align company image with trends, customer preferences, and organizational requirements.

CS Teaching Assistant

August 2024 – Present

University of Oklahoma

Norman, OK

- * Worked with 100+ students and held office hours to assist with school work and CS-related questions.

Software Engineering Intern

May 2024 – August 2024

Tinker Air Force Base

Midwest City, OK

- * Worked with 5 squadrons to group-code and individually code on front-end, back-end, and full-stack programs.
- * Learned new languages, APIs, and tools weekly resulting in increased adaptation and skill enhancement.
- * Led teams of 2-5 in creating new software and engineering solutions to given tasks.

Summer Lab Mentor

May 2023 – July 2023

iCode Edmond

Edmond, OK

- * Mentored summer camp attendees (ages 6-16) in programming, robotics, and related software/hardware skills.
- * Instructed game design (Construct 3, Unreal Engine 5), robotics (LEGO Mindstorm, Scratch), and programming basics.

PROJECTS

OU's AGRI:AI | *Python, NumPy, Pandas, Semopy, Seaborn*

March 2024 – April 2024

- * Analyzed 20+ years of pasture data to inform farmers on crop growth based on weather stats.
- * Utilized Python libraries to build predictive models for crop growth, noting historical weather and pasture data.
- * Performed data cleaning and preprocessing to ensure the accuracy and reliability of the dataset.

Key Recognition | *Python, React, CLI, Expo, React Vision*

June 2024 – Present

- * Developed a React-based app for scanning, saving, and labeling keys/locks, featuring a user-friendly interface.
- * Began implementing computer vision, database management, and user login (traditional and bio-metric).

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Ada, XML/Nasal, C#, Linux Bash/Shell

Frameworks/Libraries: React, Node.js, NumPy, Pandas, Matplotlib, OpenAI, Conda, React/Bootstrap

Developer Tools: Git, BitBucket, Jira, Confluence, Visual Studio, Eclipse

Certifications: Confidential Security Clearance, J.P. Morgan's Software Engineering Certificate - Forage