

# Brianna Patten

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## EDUCATION

**University of Oklahoma - Norman, OK**

*Expected Graduation (Master's): May 2026*

- Bachelor of Science in Computer Science, Minor in Mathematics - 3.88/4.00 GPA
- OU AI/ML - Member
- Hacklahoma 2023/2024, OU Symposium 2024, AGRI:AI 2024 - 3rd place overall
- OU Software Studio - Standing exec. of (reinstated) OU Software Studio
  - Leading website development efforts
  - Facilitating mentor/mentee interactions
  - Managing administrative tasks

**Relevant Upper-Division Coursework:** Data Structures, Computer Organization, Computer Architecture, Calculus I-III, Intro to OS, Software Engineering, Algorithm Analysis, Theory of Computation (current), Database Management (current), Computer Security (current), Applied Statistics (current), Linear Algebra (current)

**Projects:** Student organization website (in progress, frontend and backend), KeyWiz app (in progress), AGRI:AI weather analysis ML model, KYPer; Know Your Producer, personal website, beat-em-up game ("New Olympus"), programming project idea generator, full-implementation Minesweeper, top-down 2D game ("Plague City"), player vs. computer game of Connect Four, encoding/decoding Huffman Tree program

### Relevant Skills:

- Languages and APIs: C/C++, Java, Python, C#, HTML/CSS, Javascript, Ada, XML, Bash/Shell
  - APIs: Matlab, Pandas, Matplotlib, Seaborn, Scikit-Learn, Numpy, OpenAI, Conda, React/Bootstrap, SQL
  - Operating Systems: MacOS, Windows, Linux
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## WORK EXPERIENCE

**Tinker Air Force Base - Midwest City, OK | Software Engineering Intern**

*May 2024 – August 2024*

- Worked within various squadrons to group-code and individually code, competing with other groups to debug large code databases and solve sample air force-related programs
- Worked with new programming languages, APIs, and structures weekly resulting in increased adaptation and skill enhancement
- Led teams of 2-5 in creating new software and engineering solutions to given tasks

**Provision Coffee - Oklahoma City, OK | Website and Social Media Manager**

*September 2023 – Present*

- 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.
- Leveraged WordPress, Square, Facebook, and Instagram to align company image with trends, customer preferences, and organizational requirements.

**iCode Edmond - Edmond, OK | Lab Mentor**

*May 2023 – August 2023*

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