EMILY M. BRADLEY

Software Engineering student with coding proficiency in C/C++, Python, JavaScript, HTML/CSS, Node/React, and Java as well as experience in HTTP and Rest API. Ability to assess and navigate complex situations, successful in intense and demanding environments. Proven to be an experienced leader with highly effective communication methods.

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SOFT SKILLS

- Adaptability
- Team Communication
- Critical Problem-Solving
- Teamwork

TECHNICAL SKILLS

- Programming
  MATLAB, C/C++, Python, Java, Javascript, HTML/CSS
- GitLab/GitHub
- NodeJS, React, Bootstrap, Tailwind
- Technical Communication
- Android Studio

PROJECTS

CySat-2
- Software Developer of a Cube Satellite for a Student-run project. Developed a 12-17 Bit Descrambler in Python and assisted in polishing the GUI.

Pokémon In C/C++
- Focused on memory management and data parsing in C/C++ to recreate Pokémon with a visual provided by the ncurses library.

CyHealth
- Developed software in Android Studio for the of a patient database using a combination of WebSockets and Rest API in collaboration with Backend.

EDUCATION

Iowa State University — December 2025
Bachelor of Science, Software Engineering — Ames, IA
GPA: 3.13

WORK EXPERIENCE

Kelly Services – Johnston, IA
John Deere – R4 Customer Support Representative — June 2025-Present
- Providing timely and accurate solutions to customers and dealers for various issues
- Collaborating with colleagues to investigate and resolve newly identified problems and notify teams of system-wide issues
- Applying critical thinking skills to resolve challenging cases
- Training users on how to utilize resources for specific purposes and actions

ISU College of LAS – Ames, IA
Music Hall Computer Support Technician — August 2023-June 2025
- Providing technical solutions to all Music Hall students and faculty
- Resolving complex technical issues in a timely manner
- Training users on how to install and use provided technology and software
- Installing and troubleshooting new installs

Recording Engineer — January 2024-Present
- Providing A/V support for performances and recitals in Music Hall
- Mixing in Pro Tools Studio
- Ensuring Audio quality control

LEADERSHIP & INVOLVEMENT

Tau Beta Sigma for Greater Bands — January 2020-May 2025
- Band service organization dedicated to serving the Band program and promoting diversity in music

Chapter President — May 2023-May 2025
- Filing reports on Chapter activity and involvement
- Ensuring member safety and compliance with Tau Beta Sigma's values
- Communicating with District and National Officers

Midwest District Advisory Council — January 2022-May 2023
- Meet with Midwest District Council and plan events for national and district projects that focus on community outreach

Engineer's Week — April 2022-April 2023
Community Engagement Co-Chair — April 2022-April 2023
- Planning community outreach and social events for Iowa State University's College of Engineering

Iowa State Marching Band — August 2020-May 2025
Sousaphone Leadership — January 2022-May 2025
- Delegating tasks to Guides and organizing section assignments
- Serving as a mode of communication between the director and a section of 30+ members
- Creating a welcoming and inclusive environment for all members