

# Cougar Bellinger

Software Engineer Undergraduate

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## EDUCATION

### University of Arizona - Tucson, AZ

Bachelor of Science: Software Engineering - Major GPA: 3.12

May 2020 - May 2025

## WORK EXPERIENCE

### University of Arizona, College of Education - Tucson, AZ

Instructional Technology Student Worker

Aug 2022 - Current

- Conducted scheduled technology setups for classes needing support
- Responded to tickets submitted by faculty regarding basic tech support, printing posters, and equipment check outs
- Collaborated in a team environment to manage video and audio production at events

### FC Tucson (Professional Soccer) - Tucson, AZ

Street Team Member

April 2022 - Oct 2022

- Advertised soccer games by posting flyers at 5-10 local business locations a week
- Collaborated with a team to accommodate large crowds of customers
- Completed spontaneous tasks given

## PROJECTS

### SIF-400 Directed Research

Summer 2024

- Designed a digital twin of the SIF-400 system, a small-scale assembly line used for education purposes
- Responsible for extracting and integrating logic from PLC controllers on the system

### SFWE 403: Fullstack Development Project

Fall 2024

- Create a pharmacy management system utilizing Agile Scrum methodology
- Full stack development using Django Python framework
- Database implemented using PostgreSQL
- Use Git repository to manage version control

### ENGR 489: Design, Build and Fly a Modular UAV for Autonomous Flight Tests

Fall 2024 - Spring 2025

- Work with aerospace and electrical engineers to design and build UAV
- Implement autopilot for a UAV with a 10ft wingspan to complete waypoint flight missions
- Design configurations for multiple wing modules

## RELEVANT COURSEWORK

- ECE 175 / 275: C and C++ Programming for Engineering Applications
- SIE 277: Object-Orientated Model and Design (UML)
- SFWE 101: Introduction to Software Engineering
- SFWE 301: Software Requirements Analysis
- SFWE 401: Software Assurance and Security
- GAME 426: Game Artificial Intelligence
- ENGR 498: Interdisciplinary Capstone
- SFWE 403: Software Project Management
- SFWE 402: Software DevSecOps (Spr 2025)
- SFWE 302: Software Architecture and Design (Spr 2025)

## SKILLS

Agile ●●●●●  
Git ●●●●●

Jira & Jama ●●●●●  
Command Line ●●●●●

UML ●●●●●  
Linux OS ●●●●●

Programming Languages: C, C++, C#, Python, Java, Verilog

Soft Skills: Communication, Collaboration, Problem Solving, Self-Instructed Learning