Cougar Bellinger

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EDUCATION

University of Arizona

Bachelor of Science: Software Engineering - Major GPA: 3.33   May 2020 - August 2025

FEATURED PROJECTS

SFWE 402: DevSecOps Semester Project   Spring 2025
- Create a personal financial management system utilizing DevSecOps methodology
- Full stack development using SolidJs + Vite frontend and PocketBase backend
- Use GitLab for version control, project management, and CI/CD through GitLab runners
- Configure docker containers, static code analysis, testing, and deployement

SFWE 403: Project Management Semester Project   Fall 2024
- Create a pharmacy management system utilizing Agile Scrum methodology
- Full stack development using Django frontend and PostgreSQL backend
- Use Jira to track project status and metrics, and GitHub for 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 an UAV
- Implement manual flight control with autopilot capability for a UAV
- Create several engineering design documents and periodically present project status to a board of interdisciplinary engineers

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 using virtual machines

ECE 369A: MIPS32 Processor   Fall 2024
- Designed and programmed a MIPS32 Processor using pipelined architecture with Verilog
- Designed a video processing algorithm written in MIPS assembly language
- Programmed the MIPS Processor onto an FPGA board to run video processing algorithm

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

SKILLS

SDLC / Agile ●●●●○	Git Version Control ●●●●○	Security and Assurance ●●○○○
CI/CD ●●●○○	Project Management ●●●○○	Linux / Unix ●●●○○

- Programming Languages: C, C++, C#, Python, Java, JavaScript/Typescript, HTML/CSS, Verilog, Bash
- Tools: Git, Jira, Jama, Django, Node, SolidJs, Astro, Maven, Unity
- Soft Skills: Communication, Collaboration, Problem Solving, Self-Instructed Learning