Jorge Lujan

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EDUCATION

The University of Arizona, College of Engineering **Tucson, AZ**
Bachelor of Science in Engineering *May 2025*

- **Major:** Software Engineering
- **GPA:** 3.87

SKILLS

Programming Languages: C, C++, Java, Javascript, Python
Other Technologies: HTML, CSS, Git, Github, ReactJS, NodeJS, Django, Vivado, Netlify, MIPS Assembly, MongoDB

PROFESSIONAL EXPERIENCE

University of Arizona Facilities Management **Tucson, AZ**
IT Support Analyst *March 2023-Present*

- Install, configure, troubleshoot, and maintain workstation hardware, software, peripherals, and mobile devices.
- Analyze, troubleshoot, diagnose, and resolve problems with software, hardware, and network connections.

University of Arizona Campus Recreation **Tucson, AZ**
Facility Manager *September 2021-November 2022*

- Managed daily operations of the Student Recreation Center, and other Campus Recreation facilities including opening and closing responsibilities.
- Assisted in hiring, training, daily supervision, and evaluation of staff teams of up to six facility attendants.

PROJECTS

VBSME on MIPS Datapath

- Designed, implemented and validated a five-stage pipelined datapath for the MIPS 32-bit ISA on the Xilinx Artix-7 FPGA.
- Implemented a video processing algorithm in MIPS ISA and executed on the FPGA based emulation of the pipelined processor on the Xilinx Artix-7 FPGA.

Scholarship Management System

- Worked in a team of five students to design, implement, and validate the matching engine subsystem for a scholarship management system in the Java programming language.
- Held meetings with stakeholders to capture requirements and conducted acceptance tests to validate the subsystem fulfilled all requirements.

Personal Website (jlujan.com)

- Developed a personal website serving as an interactive ePortfolio to showcase skills, projects, and achievements.
- Utilized the NodeJS runtime environment and ReactJS framework to design and implement a visually appealing and responsive user interface.

Blackjack

- Engineered a captivating website offering users an interactive platform for playing blackjack, seamlessly preserving user scores for an enhanced gaming experience.
- Implemented the project using the Python programming language in conjunction with the Django framework, supported by MongoDB for robust backend functionality