

Josiah Johnson

Software Engineer

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Education

Bachelor of Science in Computer Science

University of California, Davis |
September 2021 - September 2024

- Graduating in September (taking a 2-unit class over the summer).
- Taken many upper division computer science courses including Machine Learning, Computer Architecture, Operating Systems, Database Systems, Computer Graphics, etc.

Key Skills

- Automation
- Communication
- Web Development
- App Development
- Adaptability

Programming Languages

- Python
- C++
- HTML/JavaScript
- Java
- Assembly (MIPS & RISC-V)
- Kotlin

Decisive Software Engineer with solid background of success in troubleshooting and resolving complex software challenges. Designs and deploys innovative features to improve performance and functionality. Proactive problem-solver with exceptional critical thinking skills.

Professional Experience

Freelance Software Engineer

University of California, Davis - Student Unions | May 2024 - Present

- Built and tested a Python script to convert Vectorworks event diagram files into comprehensive Word document manifests.
- Initiated and led the project by proposing the idea to management and obtaining approval.
- Automated event documentation process, improving efficiency and accuracy for event planning and execution.

Event Staff

University of California, Davis - Student Unions | September 2022 - Present

- Set up tables, chairs, and serving stations in preparation for events.
- Monitored events for needs, problems, and emergency requirements and reported concerns to supervisors.

Programming Instructor

Modesto Academy of Music and Design | June 2021 - August 2023

- Instructed students aged 10-18 in programming language applications, including Python and Javascript.
- Created lesson plans and curriculum materials.
- Periodically conducted assessments and provided constructive feedback to students.

Academic/Personal Projects

Tiedyeguy.org

Provides storage and acts as a testing ground for most of my other projects, as well as a place to hone my web development skills.

LStore database

Created a multi threaded in-memory database in python utilizing the LStore architecture. Performed simple SQL-like operations.

Real Estate Linear Regression Model

Trained a linear regression model on U.S. housing data to predict house prices based on a number of parameters including bedrooms, bathrooms, etc.