Jacob Lawson

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EDUCATION

University of California, Merced Merced, CA
Bachelor of Science in Computer Science & Engineering *Exp. 2026*

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML/CSS, SQL
Libraries & Frameworks: React, WordPress, NodeJS, Tkinter, Pandas, Numpy, Matplotlib
Developer Tools: Git, VS Code, Visual Studio, PyCharm, GitHub, SQLite, Linux

EXPERIENCE

Student Technology Consultant Aug. 2023 – Present
UC Merced - Office of Information Technology *Merced, CA*
- Collaborated with managers to troubleshoot campus computer issues, handling 80+ tickets to enhance user experience.
- Resolved technical problems for faculty and staff, increasing efficiency by 25% through swift issue resolution.
- Maintained classroom equipment and 200 printers across campus, improving technology reliability by 15%.

Undergraduate Research Assistant Oct 2022 – May 2023
UC Merced - LInC Lab *Merced, CA*
- Streamlined data organization using pandas to manage transcription data from 5+ studies, improving workflow efficiency.
- Automated cleaning of over 600 CSV files with Python, enhancing data accuracy and processing speed by 30%.
- Collaborated with researchers in weekly meetings to ensure proper data organization and maintain alignment across projects.

Web Development Intern May 2019 – July 2019
Knit Marketing *Los Angeles, CA*
- Assisted in building a client's website, enhancing online presence and functionality.
- Enabled client customization by utilizing WordPress for backend management and updates.
- Developed user interfaces with HTML/CSS, JavaScript, and PHP, ensuring a seamless and responsive front-end experience.
- Improved design consistency by collaborating on mockups and wireframes in Figma, ensuring 100% alignment with client expectations.

PROJECTS

Student Finance Tracker | *Python, SQLite* Github
- Built a Personal Finance Manager app with Python, featuring a Tkinter GUI and SQLite database.
- Implemented data visualization using Pandas and Matplotlib for generating financial reports.
- Developed robust database operations with error handling for reliable income and expense tracking.

OpenGL Paint Application | *C++, OpenGL*
- Developed a 2D paint app with OpenGL and C++ for smooth, responsive drawing.
- Improved run-time efficiency by 20% using Dynamic Memory Management and OOP.
- Optimized resource allocation, cutting lag by 15% for faster graphics rendering.

RatioBot | *Python, Discord API* Github
- Created a Discord Bot using python that reacted to and interact with user messages using Discord.py API Wrapper.

Portfolio Website | *GitHub Pages, Git, HTML/CSS* Link
- Developed a personal website using HTML/CSS.
- Published through GitHub Pages and source control using git.
- Implemented a small codebase with essential information to ensure fast loading and accessibility for all.