

Marcia Hope

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EDUCATION

Western Governors University Salt Lake City, UT	Bachelor of Science in Computer Science	August 2024
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Relevant Courses: Data Management, Software Engineering, Business of IT, Computer Architecture, Applied Probability and Statistics, Data Structures and Algorithms, Web Development, Information Security

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C++, Java, SQL, Ruby on Rails
Operating Systems: Windows 8/10/11, Linux (Ubuntu), MacOS
Other: HTML, CSS, React, Git, GitHub, Microsoft Office Suite
Certifications: CompTIA A+, CompTIA Network+, CompTIA Security+, LPI Linux Essentials, ITILv4 Foundation Level

PROJECTS

Full Stack Web Application for Fictional Nonprofit

Tools: React, Ruby on Rails, SQLite3

-Developed a CRUD application with Rails API for backend functionality with a React frontend, including Devise for authentication, JWT for session management, and Stripe for payment management. The application manages sign-ups, product requests, donations, and user contact and includes an admin dashboard.

Housing Market Value Prediction Application

Tools: Python (Pandas, Numpy, Scikit-learn, Jupyter Notebooks, Dash)

-Developed an interactive web application using Dash, enabling users to adjust home features to predict the market value of homes. Integrated a cleaned housing dataset to train a machine learning model using Scikit-learn to provide real-time insights on how specific home improvements impact property value. Employed data visualization and manipulation techniques with Pandas to dynamically update predictions based on user inputs.

Special Interest Community Forum

Tools: React, Supabase

- Developed a full-stack community forum web application using React for the front end and Supabase for the back end. Implemented robust authentication, dynamic CRUD operations for posts and comments, and intuitive navigation. Successfully hosted the application on Netlify, ensuring seamless deployment and efficient performance.

PROFESSIONAL EXPERIENCE

Design Consultant Metro Roofing and Home Improvement Baker, LA	February 2019 – Present
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- Completed over 50 residential projects, increasing client satisfaction ratings by 20%.
- Managed project timeframes and budgets efficiently, delivering projects on time and within budget, reducing project costs by 15%.
- Fostered collaboration between clients and construction teams, improving project completion times by 25%.
- Achieved a 98% client approval rate by participating in design testing and acceptance phases.

Project Coordinator Metro Roofing and Home Improvement Baker, LA	June 2011- February 2019
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- Coordinated project timelines for over 200 residential building projects, increasing annual revenue by 30%.
- Collaborated with cross-functional teams, improving team efficiency by 20% through enhanced communication and project tracking.
- Conducted needs analysis for construction projects, reducing delays by 15% through strong analytical skills.
- Developed strong communication and interpersonal skills, resulting in a 25% increase in repeat business from satisfied clients.