Philip Diegel

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Skills

Programming Languages: TypeScript, JavaScript, Python, SQL
Web Development: HTML, CSS, React, Next.js
Database Management Systems: MySQL, PostgreSQL, MongoDB
Version Control: Git
Libraries & Frameworks: Pandas, NumPy, Express, Node.js, Tkinter

Experience

Software Developer & AutoCAD Drafter, Red Stake Surveyors, Inc. – Sarasota, FL   2019 – Present
- Pioneered the development of in-house software solutions to automate and streamline operations, taking the initiative to propose the idea and lead the projects, resulting in a 30% reduction in project turnaround time.
- Managed over 75% of the company's drafting workload, producing accurate and detailed technical drawings to meet project specifications and client requirements.
- Created and modified over 1,000 detailed technical drawings using AutoCAD, ensuring compliance with client and project specifications.
- Led the integration of new software systems, collaborating with coworkers to revise and adapt existing workflows, ensuring a seamless transition and adoption of new technologies.

Inventory Auditor, RGIS Inventory Specialists – Sarasota, FL   2015 – 2019
- Achieved and sustained the 'Top Gun' status, the highest speed rank possible, through exceptional accuracy and efficiency in inventory counting over several years.
- Resolved technical issues for team members, quickly troubleshooting equipment malfunctions to minimize downtime and maintain peak operational efficiency.
- Fostered teamwork and knowledge sharing, assisting colleagues with best practices and strategies to improve overall team performance and accuracy in inventory audits.

Projects

Spirit-Search   spirit-search.vercel.app
- Engineered a dynamic Next.js application enabling users to discover cocktail recipes, incorporating Tailwind CSS for responsive and modern design.
- Implemented login capabilities, allowing users to save their favorite recipes and track allergies, thereby personalizing the experience and increasing user retention.
- Developed advanced search functionalities and API integrations, providing access to a comprehensive database of recipes, and utilized TypeScript to ensure application reliability and maintainability.

LandSurveyWorkflowSuite   github.com/pdiegel/LandSurveyWorkflowSuite
- Developed an advanced suite to automate and streamline land surveying tasks, integrating with Microsoft Access for enhanced data management through fuzzy search algorithms, enabling quick identification of related jobs.
- Automated daily data collection from county ARCGIS databases, significantly improving the accuracy and efficiency of parcel data retrieval.
- Designed a manager-exclusive version featuring a GUI-based calendar for job scheduling, optimizing operational workflow and promoting user-friendly interaction for managerial tasks.

Next-Weather-App   next-weather-app-swart.vercel.app
- Created a simple yet powerful U.S. based weather application, providing real-time weather data through external API integration.

Education

State College of Florida, Manatee - Sarasota – AS in Computer Programming & Analysis   2024
Suncoast Technical College – Certificates in Mechanical and Architectural Drafting   2020