

Philip Diegel

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Professional Summary

Accomplished software developer with extensive experience in developing innovative solutions and enhancing process efficiencies. Proficient in multiple programming languages and adept in web development frameworks and database systems. Skilled in UX/UI design and project management, ensuring high usability standards and effective coordination.

Education

State College of Florida, Manatee - Sarasota – Associate of Science in Computer Programming *June 2024*

Experience

Software Engineer, Red Stake Surveyors, Inc. – Sarasota, FL *2019 – Present*

- Developed and deployed a data standardization system for public ArcGIS data across multiple counties, enhancing data integration and project usability.
- Engineered a Python-based automation suite for surveying processes, reducing project delivery times by 30% and enhancing efficiency.
- Designed and implemented a Python-based Close-Job Lookup application, improving job data retrieval accuracy by 40% and operational efficiency.

Projects

DatabaseManagementHelper github.com/pdiegel/DatabaseManagementHelper

- Created and evolved a Python-based modular suite to automate database management tasks, reducing time spent on management activities by 50%.
- Developed an advanced query executor for fuzzy searches within Microsoft Access, improving search accuracy and speed.
- Automated property data retrieval using parcel ID and corresponding county, streamlining data gathering across county websites.

Spirit-Search spirit-search.vercel.app

- Enhanced user engagement by integrating personalized login and recipe saving features using TypeScript and advanced database management, leading to a 20% increase in user retention.
- Developed comprehensive search and filtering functionalities, along with third-party API integrations, ensuring robust application performance and dependability.

Skills

Languages: Proficient in TypeScript, JavaScript, Python. Experienced with SQL for database management.

Web Development: Skilled in Next.js, HTML, CSS, React. Experienced in UX/UI design using Figma.

Database Management: Experienced in SQL, Pyodbc, SQLite, MongoDB for data operations.

Version Control: Proficient with Git for project tracking and collaboration.

Libraries & Frameworks: Proficient in NumPy, Pandas for data analysis; experienced with Node.js, Express, Tkinter for server-side applications and GUIs.

Certifications

Python Coding Specialist – Knowledge Pillars

March 2023