

# ALEC WINKELMAN

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## Problem Solver | Driven | Detail Oriented | Adaptable | Critical Thinker

### Summary

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Aspiring Software Engineer with a strong foundation in programming, problem-solving, and software development principles. Proficient in Python, JavaScript, and React, with experience in building Full-Stack applications. Passionate about designing efficient, user-focused software and continuously learning emerging technologies to drive innovation.

### Technical Skills

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Web Development: Javascript • CSS • HTML • Node JS • Mongo DB • Webpack • React • Python

Business Analysis: Visio • UML Diagramming • Process Documentation

Data Analysis: Power BI • Data Analysis Expressions (DAX) • Microsoft Excel • Dashboard Creation • SQL

### Personal Projects

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#### Exercise Discovery

Technology Used: React, RapidAPI, Javascript, and Tailwind CSS

- **Description:** React Web App for searching and discovering exercises.
- Designed and developed a user-friendly interface using React and populated the dynamic interface using API data.

#### FlappyBara

Technology Used: KaplayJS library, ExpressJS, and MongoDB

- **Description:** Full-Stack web game about flying through obstacles to increase score.
- Created a fun FlappyBird clone using a Javascript Library and integrated a secure back-end API with Node.js and MongoDB for data persistence.

#### PhotoHunt

Technology Used: EJS templates, NodeJs, ExpressJS, and MongoDB

- **Description:** Full-Stack web application that mimics a "where's waldo" game.
- Designed a sleek user experience using Express templates and used MongoDB for persistent data storage.

### Professional Experience

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#### Familia Dental

Schaumburg, IL

#### Financial Data Analyst

03/2023 - 08/2024

- Leveraged large datasets to visualize and transform into concise and easy to follow stories.
- Identified and corrected data inconsistencies in the sales database, improving data accuracy by 98%.
- Built and deployed over 20 Power BI dashboards to monitor key performance indicators and provide on demand reporting across the company.
- Optimized the creation and distribution of 10 daily standardized reports, reducing manual processing time by 30 hours per month.

#### R&R Insurance Services

Waukesha, WI

#### Benefits Analyst

03/2022 - 03/2023

- Maintained monthly reports for over 60 groups and delivered them to stakeholders.
- Redesigned benchmarking templates to provide deeper insights, enhancing client data analysis.
- Managed benefit admin systems for clients, increasing the number of clients from 20 to 30.
- Completed and delivered ad-hoc spreadsheets to producers.

### Education

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University of Wisconsin, Oshkosh

Oshkosh, WI

Bachelor of Business Administration, Information Systems

2017 - 2021

Emphasis: Enterprise resource planning (ERP)