Zachary **Winans**

SOFTWARE DEVELOPER

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Summary

Determined new graduate with experience building full-stack web applications. Passionate about new ideas in the consumer-technology industry and developing user-friendly applications. Motivated to work on new challenges and complex problems. Adaptive and always willing to learn.

Education

University of Arizona   *Tucson, Arizona*
B.A. IN COMPUTER SCIENCE   *Aug. 2018 - Dec. 2021*
Minor in Psychology

Relevant Experience

REACT BLOG APP
- Developed a web-based React application using modern JavaScript (ES6), a local JSON server as well as various built-in and custom React hooks to fetch a preexisting list of blogs as well as to allow users to both create new and delete existing blog posts.

University of Arizona

DATABASE DESIGN
- Built a database-driven web information management system by designing the relational schema, entity-relationship model, and the corresponding front-end/back-end with a team using Oracle within a text-based JDBC program.

OBJECT-ORIENTED PROGRAMMING AND DESIGN
- Applied Agile software development principles as well as test driven development with a team to design and develop a front-end utilizing the javaFX framework and back-end implementation of a todo list.

WEB PROGRAMMING
- Built the front-end and back-end of a full-stack website representing a reddit-like template using PHP and MySQL to build multiple tables accounting for the login system and the collection of user-generated comments.

DATA VISUALIZATION
- Created a visual representation of Hurricane Isabel data using the marching squares algorithm. Implemented using the D3 library and JavaScript.

SYSTEMS PROGRAMMING AND UNIX
- Developed a C program which demonstrated working with pointers, multiple linked list structures, and memory allocation while touching on command-line arguments and reading from a file.

Certifications

MODERN JAVASCRIPT
- Created real-world front-end applications such as quizzes, weather apps, and chat rooms using cutting edge JavaScript features such as Babel and Webpack.
- Explored APIs to make use of third-party data.
- Learned how to make useful JavaScript driven UI components such as popups, drop-downs, tabs and tool-tips.
- Utilized real-time databases to store, retrieve and update application data.
- Reinforced knowledge in regard to OOP principles by working with prototypes and classes.

Technical Skills

Front-End
HTML, JavaScript, CSS, React, JSX, JSON

Back-End
Java, SQL, Node.js

Interpersonal Skills

Leadership   Problem Resolution
Communication   Time Management
Social Perceptiveness   Emotional Intelligence