Zachary Kaufman

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Education

Northern Arizona University **Flagstaff**, AZ
Bachelors, Computer Science 3.57
Graduation Year: 2024
Relevant Coursework: Operating Systems, Artificial Intelligence, Parallel Programming

Technical Skill

- **HTML**
- **ReactJS**
- **Java Script**
- **CSS**
- **Python/Scikit-learn**
- **Koitlin**
- **MySQL**
- **Java**
- **C**
- **C# with Unity**
- **Web Development**
- **Android Development**
- **Data Visualization**
- **Agile**
- **CSV**
- **Parallel Computing**

Experience

Greentree Inn Flagstaff, AZ
Night Auditor Manager Jan 2023 – Current

- Administered nightly audit processes, streamlining operations to enhance efficiency and accuracy in financial reporting.
- Analyzed Financial data to forecast trends and provide insights for better financial management and decision-making.
- Facilitated guest interactions, improving overall guest satisfaction by addressing concerns efficiently and professionally.
- Planned and executed comprehensive training for new auditors, enhancing team skills and knowledge.

Schreiner Medical Group LP Blauvelt, NY
Software Engineer Intern May 2022 – August 2022

- Developed a printing job portal for the sales team to communicate with the printing team, utilizing SQL, Python, and ReactJS, streamlining the job handling process from initiation to completion.
- Collaborated effectively with another intern, the sales team, the printing team, and a senior software developer, contributing to both the design and development stages of the project.
- Engaged in agile project management, participating in daily meetings and organizing work into sprints for efficient progress tracking and delivery.
- Awarded Employee of the Month for exceptional contributions to the project, demonstrating a high level of skill and dedication.

Mattress Firm Flagstaff, AZ
Manager On Duty May 2020 – August 2022

- Spearheaded sales initiatives at Mattress Firm, consistently exceeding sales targets through effective customer engagement and product knowledge.
- Oversaw daily operations, ensuring store presentation and inventory management met company standards for optimal efficiency and customer satisfaction.
- Excelled in conflict resolution, effectively addressing and resolving customer complaints, leading to increased customer retention and satisfaction.
- Utilized customer feedback to develop and implement strategies for service improvement and enhanced customer service.

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Projects

Portfolio Website: https://zak52.github.io

- Developed a comprehensive portfolio website to showcase a range of computer science projects and work experiences, serving as an interactive online resume for potential employers and clients.
- Leveraged ReactJS and Bootstrap 5 to create a responsive and user-friendly website, demonstrating proficiency in cutting-edge web development technologies.
- Implemented an interactive design with a focus on user experience, ensuring easy navigation and showcasing projects and experiences in an engaging format.

Operating System Simulator: https://github.com/zak52/OS-Simulator - Unlocked at request.

- Developed an Operating System Simulator to emulate the capabilities of a single-core OS, providing a practical understanding of core OS functions.
- Utilized C Programming language for the development of the simulator, demonstrating proficiency in low-level programming and system operations.
- Employed strategic planning using pseudocode and the 6-step guideline to outline necessary functions and system architecture, ensuring a structured approach to coding.
- Embraced a learning-oriented approach, using setbacks as opportunities for growth and improvement in both technical and project management skills.

GeoSTAC; CartoCosmo with STAC Capstone Project https://stac.astrogeology.usgs.gov/geostac/

- Contributed to the expansion of CartoCosmos, a Leaflet Map Viewer, focusing on visualizing individual planetary images' footprints using SpatioTemporal Asset Catalogs (STAC).
- Developed features to enable the planetary science community to easily access, explore, and load large TIFF format images directly within the Leaflet Viewer, bypassing the need for extensive downloads or processing.
- Utilized the STAC API to dynamically display image locations through footprints, significantly improving the interactivity and information value of the web map.
- Conducted extensive research and participated in weekly meetings with the USGS, leading to a thorough understanding and implementation of both functional and non-functional requirements.