Alex Kist

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EDUCATION

Northern Illinois University   **DeKalb, IL**
Bachelor of Science in Industrial & Systems Engineering   *2016*

EXPERIENCE

Education Royale Gaming Corporation   **2023 - 2024**
Freelance Web Developer   *Remote*
- Used static site generation to maximize search engine optimization and increase site traffic by 20%
- Followed semantic HTML standards to meet ADA compliance for web accessibility
- Set up CI/CD pipeline to frequently deploy new updates based on new client requests and feedback
- Embraced a mobile-first design approach to provide responsiveness for all possible screen sizes

Peerless-AV   **2017 – 2024**
Industrial Engineer   *Aurora, IL*
- Created Python scripts to automatically generate BOMs for LED products, reducing lead times by 50%
- Generated value stream maps to identify waste and reduce process cycle times on production line
- Used Kaizen philosophy to lead a culture of continuous improvement and eliminate quality defects
- Routinely performed time and motion studies to eliminate non-value-added operations

Custom Aluminum Products Inc.   **2016 – 2017**
Quality Engineer   *Genoa, IL*
- Directed quality inspectors to perform first article inspections & isolate defective materials
- Programmed coordinate measurement routines to inspect parts for defects or deviations from specification
- Hosted weekly standups with department leaders to discuss metrics & follow up on corrective actions
- Worked closely with quality auditor to achieve annual ISO 9001 certification

PROJECTS

MakeDrink | *React / Next.js, TypeScript, Sass, Redux, Golang, SQLite, Apache*   **2023**
- Built a server-rendered drink recipe application with Next.js, a React framework
- Queried a Golang backend to retrieve recipes from a SQLite database
- Used Redux Toolkit to cache database queries and minimize fetch calls
- Used hashmap data structures to improve search function and cut page load time by 50%
- Performed unit testing on components with the Jest testing framework and React Testing Library

LiftShark | *Vue, TypeScript, Vuetify, Pinia, Node.js, Express*   **2023**
- Built Vue.js client and Node.js webserver to log and monitor workout activities
- Used Pinia to manage global state and sync with local storage to persist data across sessions
- Used Vuetify material UI library for a rich and engaging user experience
- Created RESTful API and retrieved results client-side with Node.js, Express & MySQL
- Implemented user authorization and authentication to allow for user login/logout functionality across devices

SKILLS

Languages:	TypeScript, JavaScript, Python, HTML, CSS
Libraries & Frameworks:	React, Next.js, Vue, Node.js, Express.js, React Query, Redux, Pinia, Tailwind CSS, Chakra UI
Tools & Databases:	Git, Sass, NPM, SQL, Webpack, jQuery, MongoDB, MySQL, Redis, Postman