

Anna Dinius

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SOFTWARE ENGINEER

Professional software engineer and detail-oriented Honors student proficient in refactoring, debugging, problem-solving, and front-end/back-end development seeking an opportunity to leverage my extensive leadership training and software engineering experience.

SKILLS

Communication	Problem Solving	Software Design Patterns	Software Design Principles
Git/GitHub	VS Code	JavaScript/TypeScript	SQL/NoSQL Databases
React	REST APIs	Python	Refactoring

EDUCATION

Bachelor of Science in Applied Software Engineering

May 2026

Northern Kentucky University, Highland Heights, KY – GPA: 3.98

- Minor: Information Technology
- Minor: Honors
- Certificate: Software Development

INTERNSHIP EXPERIENCE

PROceed BPM

June 2024 – May 2025

Front-End Engineering Intern – part-time

- Refactored CSS and SCSS codebase by reducing duplication, removing legacy styles, and enforcing consistency to enhance maintainability and extensibility
- Designed and implemented reusable grid and flexbox CSS styles to replace Angular's legacy Flex-Layout and restore the application's branding
- Applied mixins and breakpoints to ensure the application's layout responded properly to different screen sizes

PROJECTS

NomNom Safe Capstone Project

Fall 2024 – Present

Two-sided food allergen and dietary information management system software (business-side: enables food service businesses to input and manage allergen and dietary data; consumer-side: enables consumers to access, sort, and filter through that data in one centralized location)

- Collaborated with and led a team in:
 - Execution of market and user research to determine competitors, value proposition, customer personas, target market, and SWOT and PESTEL analyses
 - Development of prototypes with paper and Figma
 - Prototype tests conducted with users and analysis of user feedback
 - Prototype revisions based on user feedback analysis
 - Analysis of Technology Readiness Level and feature satisfaction (KANO model)
 - Development of business-facing application with a front end in React and Node.js and a back end in JavaScript
 - Integration of REST APIs and database
- Independently developed fully functional, cross-platform MVP of the consumer-facing application with Flutter and Dart using Scrum framework
- Collaborating with a team in refactoring the business-facing application by applying Software Design Principles and Patterns and using Scrum framework

Build a Better Book Honors Class Project

Fall 2023

Project to help blind and visually impaired children

- Sourced 3D files for 8 objects that corresponded with objects in a children's book
- Printed objects and evaluated object quality for sturdiness and how well they could be recognized solely by touch

- Voluntarily learned 3D modelling software to enhance 4 existing 3D files
- Donated a set of the final objects and files to Clovernook Center for the Blind and Visually Impaired, who sent the objects with copies of the corresponding children's book in braille to a school in Africa

WORK EXPERIENCE

Big Sky Resort

June 2025 – Aug. 2025

Front Desk Associate at The Summit Hotel – full-time

- Checked guests in and out, created walk-in reservations, answered phone calls and guest questions, handled guest requests and complaints
- Submitted detailed housekeeping requests, maintenance requests, and shift reports explaining significant events and guest interactions

Western & Southern Financial Group

July 2023 – Aug. 2024

Customer Service Associate – part-time

- Conducted personal history interviews with insurance applicants based on underwriters' requests and documented responses in the insurance database
- Answered inbound operator calls and transferred the caller to the appropriate department
- Processed insurance policy loan requests and EFT direct deposit forms
- Recruited candidates for the Field Representative position via Indeed

NKU Barnes and Noble Book Store

Aug. 2022 – Jan. 2023

Bookseller – part-time – seasonally

- Processed and organized customer orders to facilitate customer pickups
- Restocked books and served customers
- Processed book orders from publishers and called publishers to place book orders
- Trained new employees in processes and computer systems

LEADERSHIP

Boy Scouts of America National Youth Leadership Training (NYLT) Camp

Volunteer staff member

Jan. 2020 – June 2023

- Positions – Troop Guide (TG), Senior Troop Guide, Assistant Youth Course Lead (AYCL) of Program
- Attended monthly training weekends from Jan. to Apr.
- At camp as AYCL – mentored and coached each day's Program Patrol, helped AYCL of Service prepare and set up materials for each presentation and activity, taught participants planning skills, prepared and led a Scout's Interfaith Worship Service
- At camp as TG – led a group of 5-6 scouts in activities and taught them leadership skills
 - Activities: problem-solving games, geocache, flag ceremonies, realistic first aid
 - Skills: solving problems, EDGE method, resolving conflicts, leading yourself

Boy Scouts of America Venturing Crew

Vice President of Communication

Oct. 2018 – Dec. 2021 and Apr. 2023 – Sept. 2024

- Recorded detailed minutes during meetings and distributed to all Crew members
- Consistently notified members of upcoming meetings and events