

# Austin Winger-Kailer

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## EDUCATION

### Youngstown State University

Bachelor in Computer Science, Minor in Math

Youngstown, OH

August 2021 – December 2025

## EXPERIENCE

### Dev Youngstown (Software solutions company)

June 2024 – Present

Remote Youngstown, OH

- Designed and implemented RESTful APIs (FastAPI) and databases to support MVP applications used by clients for data-driven decision making.
- Built modular, reusable React + TypeScript components (sortable tables, filtering UI, RBAC controls) for an insurance platform, improving maintainability and user experience.
- Integrated OneSignal SDK and designed intuitive in-app notification UI flows, increasing user engagement and supporting scalable front-end architecture.
- Built a React Trivia Game scene featuring component-based UI, game state logic, and user interaction flows, improving the app's engagement and responsiveness.

### Youngstown State University

June 2024 – December 2025

Student Software Engineer

Youngstown, OH

- Updated and maintained university web pages using HTML, CSS, and JavaScript, focusing on accessibility, responsiveness, and consistency with UX standards.
- Resolved UI issues and content bugs with quick turnaround, collaborating with non-technical clients to understand requirements.

## UNDERGRADUATE UNIVERSITY RESEARCH

### Youngstown State University

August 2024 – May 2025

Youngstown, OH

- \* Designed and developed a Full-Stack Web Application (React, FastAPI) in an Agile environment, integrating the Ollama AI model Mistral to analyze thousands of customer reviews and guide corporate strategies.
- \* Partnered with TravelCenters of America to align research findings with business objectives, presenting findings and project updates to technical and non-technical stakeholders.

## PROJECTS

### Habit Tracker (WIP) | FastAPI, React (TypeScript), Clerk, Github

[GitHub Link](#)

- \* Built full-stack habit tracking app integrating Claude AI to generate personalized coaching based on daily journal entries and mood ratings (1-5 scale).
- \* Developed a streak tracking algorithm calculating current/longest streaks with proper handling of date gaps and consecutive-day logic.
- \* Implemented JWT-based authentication with Clerk OAuth and JWKS caching for optimized token validation.
- \* Designed RESTful API using FastAPI and SQLAlchemy ORM, achieving end-to-end type safety via TypeScript Pydantic schemas.

### Ohio Eclipse Web App | Python, JavaScript, Flask, React, Google Maps API, GitHub, Insomnia

[GitHub Link](#)

- \* Built a location-based web app at YSU Hackathon using React and Flask that recommends optimal viewing locations for users to see the 2024 solar Eclipse in Ohio (Haversine formula, Google Maps API).

## TECHNICAL SKILLS

**Languages:** Python, TypeScript/JavaScript, Java, C++, MySQL, HTML/CSS

**Frameworks:** FastAPI, Node.js, Flask, Express

**Developer Tools:** Vite, Git/GitHub, VS Code, Xcode, Android Studio, pgAdmin 4

**Libraries:** React, ReactNative, BeautifulSoup, Selenium, Pandas