

Conrad Booker

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EDUCATION

Northwestern University

Bachelor of Arts in Computer Science, Minor in Chinese

Evanston, IL; Expected June 2027

GPA: 3.7/4.0 — Dean's List

Related Coursework: Algorithms and Data Structures, Operating Systems, DTR, Linear Algebra

SKILLS

Languages: Proficient in: Swift, JavaScript, TypeScript, Python, HTML, CSS | Learning: Java, Racket, C, C++

Frameworks & Tools: SwiftUI, React/React Native, Node.js, Firebase, Flask, Git, Jira, Docker, SQL, Heroku

EXPERIENCE

Software Engineer

Oct. 2024 – Present

ReCat App (Northwestern University Garage), Evanston, IL

- Led development and shipped 20+ **React Native** components for an app serving 500+ active users
- Designed Firebase data models to persist dynamic cat behavior, including map location and food preferences
- Implemented a home-screen widget by building a custom **Swift** bridge between React Native and native iOS; released internally and production-ready pending Expo upgrade
- Collaborated with a team of 5 engineers in weekly sprints, owning features end-to-end using **Git** and **Jira**

Frontend Developer

Oct. 2024 – Mar. 2025

Thinklocal (Northwestern University Garage), Evanston, IL

- Built and maintained 5 production-ready **React** web pages for a platform to find unique Chicago experiences
- Designed 3 mobile layouts and translated Figma designs into visually accurate, responsive interfaces
- Integrated backend APIs for 3 pages and ensured usability across desktop and mobile devices

Software Engineer Intern

Jun. 2023 – Aug. 2023

Redshift Technologies, New York, NY

- Designed and developed GPT-powered website made with **Python Flask** for a recognized eating disorder non-profit client, enabling individuals to connect with hundreds of treatment options
- Presented website and two alternative designs directly to client for consideration and potential implementation
- Redesigned and created a detailed mockup of a mobile patient portal app for a large American fertility clinic to enhance user experience and accessibility

PROJECTS & RESEARCH

Transit Bandage App & API | conradbooker.dev/projects/tb

August 2023 – Present

SwiftUI, Node.js, Python Flask

- Independently developed a mobile app to convey NYC subway and bus disruptions 98% faster and more concisely
- Published 7 updates since Aug. 2023, with ongoing expansion to New Jersey, Chicago, and Philadelphia
- Achieved 4k+ downloads and a 4.7/5-star rating, maintaining an estimated 800+ monthly active users

Experiential Travel Platform

January 2026 – Present

Research in Northwestern's DTR Class (Northwestern Delta Lab)

- Conducting user research and designing a platform with a teammate to explore new models for experiential travel and place-based discovery
- Investigating how travelers engage with local environments to inform the design of a future digital platform

LEADERSHIP EXPERIENCE & ADDITIONAL INFORMATION

Rock Climbing Club, Competitive Team Captain

Jan. 2025 – Present

Northwestern University

- Founded Northwestern's first competitive program, coaching a 35-member team through practices twice a week
- Rebuilt team structure in Fall 2025, increasing member participation by 50% and accelerating skill development without a formal coaching staff
- Serve as a board member for club of 1k+ members, contributing to organizational decision-making & management

Interests: Rock climbing, cooking Chinese food, transit map making, solo traveling