

Noah Schipper

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EDUCATION

University of Northern Iowa

Bachelor of Science in Computer Science, Minor in Data Science

Cedar Falls, IA

August 2025 – Present

Kirkwood Community College

Associate in Liberal Arts

Cedar Rapids, IA

August 2023 – May 2025

PROJECTS

Interactive Baseball Stat Application | Postgres SQL, Python, JavaScript, HTML, CSS July 2025 – Present

- Built a full-stack web application integrating a Flask (Python) backend with a self-designed Postgres database, serving data to a responsive HTML/CSS/JavaScript frontend
- Combined the Lahman Baseball database with additional datasets into a unified Postgres schema hosted on Supabase
- Leveraged pandas within Flask routes to execute database queries, filter data, and format results for frontend display
- Developed a dynamic frontend that fetched and rendered database results using asynchronous JavaScript (Fetch), enabling interactive exploration of baseball statistics
- Deployed the application on Render, providing a live platform for users to access and analyze baseball data

Chromium Translator Extension | HTML, CSS, JavaScript, Deep Translate API June 2025 – Present

- Developed a Chromium extension using HTML, CSS, and JavaScript to provide seamless in-browser language translation
- Integrated the Deep Translate API to perform real-time translation asynchronously
- Designed the extension to be lightweight and user-friendly, offering translation in-extension, via tooltip, or in-line within text
- Implemented efficient DOM manipulation and event handling to ensure minimal impact on page performance
- Tested across multiple websites and browsers to ensure reliability and consistent functionality

Personal Portfolio Website | HTML, CSS, JavaScript June 2025 – Present

- Developed a multi-page personal portfolio website with HTML, CSS, and JavaScript, including Home, Projects, About, and Contact pages
- Designed a responsive, mobile-friendly interface with a consistent footer displaying social media links on every page
- Implemented an interactive card deck on the About page to showcase skills dynamically using JavaScript
- Enhanced the Contact page with toast notifications for user interactions and fully functional contact links for email and phone number
- Organized the Projects page to highlight individual projects with descriptions and live links.
- Deployed and hosted the site using Cloudflare, ensuring fast, reliable, and publicly accessible performance

Java Blackjack Game | Java, GUI Design March 2025 – May 2025

- Collaborated on a team project to develop a fully functional Blackjack game in Java, following an Agile development process.
- Designed and implemented UI elements, including table layout, chips, and cards in order to create an interactive game experience.
- Developed core gameplay logic, including card dealing, betting mechanics, and win/loss conditions.
- Worked closely with teammates to integrate UI and game logic, ensuring a smooth, interactive experience.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL / SQLite / Postgres, R, JavaScript, HTML, CSS

Frameworks / Libraries: Flask, Pandas, Fast API, NumPy

Web / Frontend: Responsive Design, Fetch API, Interactive UI Elements, Toast Notifications

Developer Tools / Hosting: VS Code, GitHub, API Integration, BlueJ, RStudio, Excel, Render, Supabase, Cloudflare