Jordan Becker

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EDUCATION:

Northwestern University | *Weinberg College of Arts and Sciences* | Evanston, IL **Jun 2026**

- *Bachelor of Arts:* Majors in Computer Science and Cognitive Science, GPA: 3.78/4.00
- *Relevant Courses*: Data Structures, Artificial Intelligence, Software Construction, Computer Networking, Operating Systems, Design and Analysis of Algorithms, Scalable Software Architecture, Databases, Computer Security

TECHNICAL SKILLS:

- *Programming Languages:* JavaScript, TypeScript, Python, C, C++
- *Front-end tools:* React.js, HTML, CSS, Next.js, Tailwind, D3, Konva
- *Back-end tools*: Node.js, Express.js, Django, SQL, Google Firebase, AWS RDS, S3, Lambda

RELEVANT EXPERIENCE:

SONIC Lab | *Frontend Development Intern* | Evanston, IL **Jan 2024 – Present**

- Refactored outdated React repository and iteratively implemented 10+ new features based on bi-weekly UX testing.
- Prototyped UI designs in Figma for research platform on human-AI teams, aligning with usability heuristics.
- Integrated OpenAI's API for chat assistant within group chat feature, embedding AI alongside human interaction.

Maddox AI | *Frontend Development Intern* | Berlin, Germany **Jun 2024 – Aug 2024**

- Led project to overhaul Maddox's image annotation platform, solving existing issues surrounding image rendering, annotation drawing and manipulation, and zoom-pan functionality.
- Developed 3 TypeScript demo platforms demonstrating capabilities of visualization frameworks like D3.js, Konva, and visx.
- Wrote report evaluating frameworks in terms of user and developer experience, performance metrics, and DOM-handling.

Engineers for a Sustainable World | *Full Stack Developer* | Evanston, IL **Sept 2023 – Apr 2024**

- Enabled real-time database updates using Cloud Firestore snapshot listeners, syncing with submissions by system & users.
- Built out backend solution for paginated recent activity log, integrating 4 rounds of feedback from software lead.
- Incorporated local backend emulator into development process, reducing average testing time per feature by 30%.

Weinberg College IT | *Helpdesk* | Northwestern University **Oct 2022 – Dec 2023**

- Managed a ticket queue of up to 20-30 computer problems per week for professors and staff across the university.
- Operated the helpdesk phoneline, solving urgent issues over the phone or directing to appropriate colleague.
- Solved issues for frustrated clients, while balancing urgency of issues and managing expectations.

Delta Lab | *HCI Researcher* | Northwestern University **Jan 2023 – Jun 2023**

- Collaborated with team of 3 developers to optimize new iteration of web-app enabling frontend developers to master advanced CSS techniques, tracking team progress using bi-weekly scrum sprints.
- Conducted weekly tests to iteratively pinpoint user obstacles, resulting in 60% increase in CSS learning by users.
- Aligned the tool with learning science principles, integrating relevant research into design process.

PROJECTS:

Carbon Footprint Tracker | React, Tailwind, AWS, MySQL

- Created full-stack web-app using React and Next.js helping users visualize their carbon footprint and environmental impact.
- Implemented serverless architecture with AWS Lambda and API Gateway, using the ClimatIQ API for footprint estimations.

Angel Shot | React, OpenAI, Amazon Transcribe

- Won 3rd place at NU hackathon for app initiating ‘calls’ with AI to help individuals feel safe in uncomfortable situations.
- Leveraged Amazon Transcribe’s speech-to-text and OpenAI’s text-to-speech APIs to facilitate real-time conversation.

LEADERSHIP EXPERIENCE:

Purple Haze A Capella | *Music Director* | Northwestern University **Sept 2024 - Present**

- Directed and trained 20 undergraduate singers to perform at 30+ concerts, paid gigs, and competitions.
- Composed over 15 original arrangements tailored for both live performances and studio recordings.

CATalyst | *Facilitator* | Northwestern University **Sept 2023 - Present**

- Guided a group of 12 first-year students through discussions and exercises to increase self-awareness as the students began college experiences.
- Presented activities to up to 100 students to help create community and introduce topics before small group breakouts.