Daniyal Kashif

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EDUCATION

University of Arizona — **Tucson**, Arizona
Bachelor of Science, Computer Science — Expected May 2027
- Minor in Artificial Intelligence
- Minor in Game Development
- Dean's List December 2023 - Present
- Academic Distinction

BASIS Oro Valley — **Tucson**, Arizona
High School Diploma — Graduated May 2023

Work Experience

University of Arizona — Tucson Arizona
Research Assistant — *November 2023-September 2024*
- Annotated and evaluated 500+ paragraphs using Human Signal and Label Studio, identifying key discrepancies between human and AI language understanding to support experimental NLP research.
- Collaborated with NLP researchers to identify discrepancies in multi-subject sentence interpretation between human annotators and AI models.
- Developed and implemented experimental strategies to address identified challenges, emphasizing a hands-on approach to problem-solving.
- Investigated key limitations of large language models in parsing multi-verb or multi-subject inputs to support future model improvements.

Technical Projects

Watchlist TV Recommender | **website** | **source code** |
- Built a full-stack TV recommendation app from scratch using Next.js, React, and Python, focusing on personalized user experiences and using Tailwind CSS to style the frontend.
- Built dynamic, reusable React components and implemented routing, improving user experience and reducing redundant code across 5+ pages.
- Integrated Prisma ORM with TMDB API to fetch and manage show data across personalized recommendation pages.
- Worked in a collaborative environment with a team to review different parts of the project

Todo List Web App | **website** | **source code** |
- Created a responsive task management web app using JavaScript, Vite, and HTML/CSS featuring a responsive layout and animated transitions for a smooth user experience.
- Implemented full user authentication and session handling with Clerk to enable secure, persistent user data storage.
- Configured and deployed the application on Vercel, ensuring a seamless CI/CD workflow for production-ready builds.
- Designed custom login, dashboard, and task UI components for a clean and accessible user experience.

Fridge Inventory Web App | **website** | **source code** |
- Built a full-stack web app using React, Django REST Framework, PostgreSQL, Axios, and Tailwind CSS to manage food inventory and expiration dates.
- Designed and developed intuitive UI components for adding, updating, and deleting fridge items, improving user task flow.
- Configured Celery with Redis for background task processing and automated email reminders for expiring items.
- Implemented user authentication and secure token handling with JWT to protect user data and sessions.

Publications

- Kashif, D., [et al.]. *"BEMEAE: Moving Beyond Exact Span Match for Event Argument Extraction."* In **Proceedings of the NAACL 2025 Main Conference**. ACL Anthology, 2025. https://aclanthology.org/2025.naacl-long.295/

Skills

- **Programming Languages**: Python, Java, HTML/CSS, JavaScript, Typescript.
- **Frameworks & Tools:** Next.js, React, Prisma, Vite, Clerk.
- **UX/UI Tools**: Figma, Canva.