Cooper Harris

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PROFESSIONAL SUMMARY

Software Engineer with experience in developing innovative tools and solutions using TypeScript, React, and Java. Adept at collaborating across teams to deliver cohesive, impactful features that align with business goals, showcasing a commitment to driving technological advancements and improving user satisfaction.

EMPLOYMENT HISTORY

Snap Inc.   **Aug 2024 - Jul 2025**
SOFTWARE ENGINEER   *Seattle, WA*
- **Designed an interface** enabling advertisers to preview how their ads appear across Snapchat surfaces, which reduced launch errors and increased advertiser confidence and satisfaction by improving creative accuracy.
- **Leveraged generative AI** to automatically enhance low-quality images, which improved overall creative quality, leading to higher ad publish rates and stronger campaign performance.
- **Refactored the dynamic product ad preview system**, simplifying ad creation workflows and consolidating logic, which reduced maintenance overhead and enabled faster feature delivery for the developer team.
- **Collaborated cross-functionally** with design, product, and backend teams to deliver features aligned with both user needs and business objectives, which supported key product launches and advanced business goals.
- **Developed scalable features across the stack** using TypeScript, React, Java, and GraphQL, which supported millions of daily ad impressions through robust and maintainable systems.
- **Authored technical design documents** analyzing tradeoffs and defending architectural choices, which ensured clarity, stakeholder alignment, and smoother execution for complex initiatives.
- **Contributed to internal documentation and onboarding resources**, which improved team productivity and shortened ramp-up time for new engineers through better knowledge sharing.

University of Arizona Housing and Residential Life   **Jun 2022 - May 2024**
STUDENT TECHNOLOGY ASSISTANT   *Tucson, Arizona*
- **Delivered technical support** for Housing and Residential Life staff, troubleshooting hardware and software issues to minimize downtime and boost staff productivity.
- **Partnered with management** on a department-wide **Zoom Phone transition**, configuring handsets for 100+ employees to enhance communication efficiency.
- **Authored and maintained Help Desk documentation** on the department website, improving accessibility and consistency of technical resources for staff.

EDUCATION

University of Arizona   **Aug 2020 - May 2024**
BACHELOR OF ARTS, COMPUTER SCIENCE AND INFORMATION SCIENCE TECHNOLOGY & THE ARTS

CERTIFICATIONS

- **IOS DEVELOPER:**Meta

PROJECTS

Replay Radar
- Designed and built a responsive, high-performance web application using **Next.js**, **React**, and **TypeScript**.
- Implemented **server-side rendering (SSR)** and **static site generation (SSG)** to optimize performance and SEO.
- Developed modular, reusable UI components with **Tailwind CSS** and **React Bits** for clean, accessible, and modern interfaces.
- Ensured seamless cross-environment deployment and version control via **Vercel**, **GitHub Actions**, and automated CI/CD pipelines.

Reeldin
- Designed and built **Reeldin** in an **agile team**, a full-stack web application that recommends movies based on user quiz preferences
- Developed backend with **Django**, integrating with the **IMDb API** to fetch and process movie data
- Implemented interactive quiz functionality to capture user preferences and generate personalized movie suggestions
- Deployed the application on **Microsoft Azure**, configuring cloud hosting and a connected relational database
- Applied best practices in **RESTful API integration, database modeling, and frontend-backend communication** to deliver a seamless user experience

CYBERTRIP
- **Developed a web-based tool** to simplify how **cybersecurity incidents** are tracked, managed, and prioritized in real-time
- **Applied Flask framework** and integrated external APIs to deliver a seamless solution for rapid threat response
- **Adopted Scrum methodology** and implemented software engineering best practices to drive efficient project management and development

SKILLS

- **Programming Languages**: TypeScript, JavaScript, Python, Java
- **Frontend Development**: React, Redux, Emotion CSS, Tailwind CSS, HTML5, CSS
- **Backend Development**: Node.js, Django, Rest APIs, GraphQL, MySQL, MongoDB
- **Cloud Deployment**: AWS, Azure
- **Tools & Testing**: Git, Jest, Selenium, Agile/Scrum