

Cooper Harris

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PROFESSIONAL SUMMARY

Full-stack software engineer with hands-on experience building modern web applications using TypeScript, React, and Node.js. Focused on writing clean, maintainable code and contributing to scalable features across the stack.

EDUCATION

University of Arizona Tucson, AZ

May 2024

Bachelor of Arts, Computer Science & Information Science Technology and the Arts

WORK EXPERIENCE

Snap Inc.

Aug 2024 - Jul 2025

Seattle, WA

Software Engineer

- Enhanced campaign performance using AI to upscale low quality images, raising ad publish rates 5%.
- Refactored the dynamic product ad system, saving over 20 developer hours a month.
- Owned full-stack features that handled 3M+ daily ad impressions.
- Wrote 200+ Jest and Selenium unit/end to end tests, raising code coverage to 90%.

University of Arizona Housing and Residential Life

Jun 2022 - May 2024

Tucson, AZ

Student Technology Assistant

- Troubleshoot technical issues and provided hardware/software support, cutting staff downtime.
- Improved communication efficiency by configuring 100+ Zoom Phones during a department wide rollout.
- Authored and maintained Help Desk Documentation, improving accessibility and consistency for staff.

PROJECTS

Dynamic Product Ads Refactor

Apr 2025 - Jun 2025

- Refactored the legacy dynamic product ad system, which had become outdated and slowed feature development. Updated to modern best practices, adopted Jotai for state management, and split large files into a composable structure.
- Collaborated with another engineer from design doc to launch. Led development of the ad preview system, form validations, miscellaneous reactors and testing for these features.
- Improved advertiser satisfaction by unblocking several planned features, increased developer efficiency for future iterations, and reduced long-term maintenance costs.

NextView

- Built a full-stack video streaming platform that allows users to upload, process, and stream videos end-to-end, using secure Firebase authentication and scalable, event-driven media processing on Google Cloud Platform.
- Implemented upload flows, background processing pipelines, and containerized services deployed to Cloud Run, with CI/CD automation through Cloud Build.
- Improved deployment reliability, scalability, and media delivery performance through a fully containerized, cloud-native architecture.
- Link: github.com/cwharris77/NextView

Replay Radar

- Developed a personalized music analytics dashboard that visualizes users' Spotify listening patterns using SSR/SSG for fast initial loads and strong SEO performance.
- Built dynamic UI components, data fetching layers, and custom visualizations powered by the Spotify Web API and MongoDB storage.
- Delivered personalized user insights with a responsive interface that adapts across devices, supported by automated deployments through GitHub Actions and Vercel.
- Collaborated with users for feedback on UI/UX improvements and presented iterative enhancements throughout development.
- Link: <https://github.com/jonathanhouge/ReeldIn>

TECHNICAL SKILLS

- Languages:** TypeScript, JavaScript, Python, Java, HTML5 CSS
- Frameworks:** React, Next.js, Node.js, Django, Flask, REST APIs
- Developer Tools:** GCP, Azure, AWS, Git, Docker, Jest, React Testing Library, Selenium, Jira
- Libraries:** GraphQL, Redux, Tailwind CSS, Emotion CSS