Cooper Harris

520 965 9305 | cwharris365@gmail.com | LinkedIn | Github | Portfolio

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**
Software Engineer   *Seattle, WA*
- 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**
Student Technology Assistant   *Tucson, AZ*
- Troubleshot 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- Refactored the legacy dynamic product ad system, which had become outdated and slowed feature development.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.

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/cwharris77/replay-radar

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: https://github.com/cwharris77/NextView

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