Darren Huang

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EDUCATION

University of California, Los Angeles   08/20 - 06/24
Bachelor of Engineering in Computer Science   Los Angeles, CA
- **Coursework:** System Design, Data Structures & Algorithms, AI/ML, Compilers, Code Generation, Computer Networks, Computer Graphics, Tech Management, Data Science.

PROFESSIONAL EXPERIENCE

Capital One   06/24 - Present | 05/23 - 08/23
Associate Software Engineer   McLean, VA
- Established a CI/CD pipeline for automated code checks, schema validation, and testing using BitBucket.
- Developed a React site used as an intake form to collect user data tags and automate JSON file creation.
- Maintained and expanded an internal React component library, standardizing UI elements for customer analytics.
- Conducted onboarding for teams integrating JavaScript-based user analytics, providing guidance on event tracking implementation and component usage.
- Built a Python CLI tool that generates GraphQL schemas/resolvers, currently used across the CardTech sector.

Silknode   12/22 – 05/24
Software Engineer   Los Angeles, CA
- Led engineering team of 3 to build Silknode from scratch using React, Nextjs, Typescript, and SQL.
- Designed app's architecture and database, defined end-user requirements, and conducted Agile scrum sprints.
- Planned implementation roadmaps to ensure timely delivery and assessed technical feasibility of Figma designs.
- Translated UI/UX designs into React components and programmed optimized load strategies, multi-level caching, server-side rendering, media embeddings, authentication policies, and realtime database/storage.

Koodos Labs   05/22 – 12/22
Software Engineer Intern   Manhattan, NY
- Developed interactive websites for Koodos' app using React, Redux, and TypeScript, leading to 77K+ sign-ups.
- Built event-handling bots in Python to automate Discord moderation tasks.
- Increased user conversion rate by 460% by developing stats.koodos.com, a music library leveraging NLP for audio and text analysis, built with Next.js and React.
- Operated as the sole product engineer for each project, defining feature designs for the Product Team and aligning objectives with the Social Team.

PROJECTS

Spotify Pie | Viral Website   06/22 – 02/24
- Created Spotify Pie, a music genre website with 12,000,000+ visits from the first week and was featured in Yahoo Finance, USAToday, MetroUK, and IMDb.
- Acquired by SENTRY Co. & amassed $63K on Google Adsense in the first 2 years, averaging 310K monthly users.
- Combined audio and user data to form styled charts displaying one's music taste using ReactJS, Typescript, SQL, and REST API.

ArchivePDF | Progressive Web App   08/22 – Present
- Collaborated in a distributed team to develop archivepdf.net, a responsive web app serving 110K+ archive fashion community members as an online encyclopedia.
- Implemented responsive front-end components using TypeScript, React, Node.js, and TailwindCSS.
- Designed site infrastructure and established best practices for typing standards, codebase semantics, and naming conventions.

TECHNICAL SKILLS

Skills: Typescript, React, Redux, Nextjs, Nodejs, Javascript/HTML/CSS, JQuery, Tailwind, Python, PostgresSQL, MS SQL Server, C++, Java, GraphQL, BitBucket, REST, AWS.