

# Darren Huang

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## EDUCATION

**University of California, Los Angeles**  
*Bachelor of Engineering in Computer Science*

08/20 - 06/24  
Los Angeles, CA

## PROFESSIONAL EXPERIENCE

### Software Engineer

06/24 - 02/25

*Capital One*

*McLean, VA*

- Collaborated on a Python-based tool which generates TypeScript packages from JSON files for tag management.
- Built a React-based site to collect user data tags from teams, simplifying the onboarding process for analytics.
- Integrated a CI/CD pipeline with code checks, schema validation, and Jest/ESLint tests for site reliability.
- Maintained and expanded an internal React component library, standardizing UI elements for user analytics.
- Served as a primary point of contact for teams integrating JavaScript-based user analytics, providing guidance on event tracking implementation and component usage.

### Software Engineer

01/23 - 05/24

*Silknode*

*Los Angeles, CA*

- Worked in a team of 3 to build the MVP of [Silknode](#) from scratch using React, Next.js, 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.

### Software Engineer Intern

05/23 - 08/23

*Capital One*

*Richmond, VA*

- Built a Python CLI tool which generates GraphQL schemas for migration, adopted by the CardTech team.
- Created unit integration tests & quickstart documentation using Pytest and Angular.
- Collaborated with stakeholders to gather requirements, provide updates, and ensure delivery on essential needs.

### Software Engineer Intern

05/22 - 12/22

*Koodos Labs*

*Manhattan, NY*

- Increased user conversion rate by 460% by developing [stats.koodos.com](https://stats.koodos.com), a music library leveraging NLP for audio and text analysis, built with Next.js and React.
- 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.
- 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 a music genre website that garnered 90M+ visits, went viral within a 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, D3.js, and REST API.

### ArchivePDF | Progressive Web App

08/22 - Present

- Collaborated in a distributed team to develop [archivepdf.net](https://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

**Programming Languages:** TypeScript, JavaScript, HTML/CSS, C++, Python, Java, SQL (PostgreSQL).

**Frameworks, Libraries, & Technologies:** React, Next.js, Redux, Angular, Node.js, Jest, jQuery, TailwindCSS, GraphQL, Agile/Scrum, REST, AWS, Supabase, Git.