

Shanglin “Daniel” Dai

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Education

University of California, Los Angeles (UCLA)

Los Angeles, CA

B.S. in Computer Science | GPA: 3.82

Expected Dec 2023

- **Coursework:** Data Structures & Algorithms, Artificial Intelligence, Machine Learning, Computer Architecture, Computer Networks, Computer Security, Operating Systems, Programming Languages, Software Engineering
- **Honors:** Carey Nachenberg Scholarship in Engineering, Upsilon Pi Epsilon Honor Society, Tau Beta Pi Honor Society

Work Experience

TikTok

San Jose, CA

Software Engineering Intern

Jun 2023 – Present

- Contributing to the development of APIs and SDKs, facilitating seamless integration of TikTok into third-party applications.
- Developing an internal tool for generating access tokens in development environments, enabling comprehensive E2E testing.

Cox Automotive ([Kelley Blue Book/Autotrader](#))

Irvine, CA

Software Engineering Intern

Jun 2022 – Sep 2022

- Developed a mobile-optimized layout for the Shop Smart module on the Kelley Blue Book homepage by using **React.js**, **Node.js**, and **CSS** to improve customer engagement, increasing the clickthrough rate by 171% during **Optimizely** A/B testing.
- Deployed **Adobe** and **Google Analytics** tags to hero image advertisements to measure user interactions.
- Automated 30+ E2E tests with **Cypress.io** and integrated them into the CI/CD pipeline using **AWS CodeBuild**.
- Load tested APIs using **Apache JMeter** and monitored application performance using **NewRelic** to improve reliability.

BruinShack

Los Angeles, CA

Web Development Intern

Jun 2021 – Mar 2022

- Implemented a complete redesign of the apartment listing process with modern, responsive UI by using **Vue.js** and **CSS**.
- Tested **REST API** requests and responses with **Postman** to validate account and apartment database behavior.
- Improved the apartment searching and renting experience for 10,000+ students and apartment managers.

Projects

Grades of Green Project Platform

Sep 2021 – Present

- Designed a website for nonprofit Grades of Green to empower 600,000+ students to create and share environmental projects.
- Constructed mockups for desktop and mobile devices using **Figma** and demonstrated to Grades of Green administrators.
- Leading a team of 9 as the project manager, currently implementing the website with **PHP**, **MySQL**, and **WordPress**.

Westwood CSS

Nov 2020 – Jun 2021

- Created a **CSS** framework for all 8 committee websites of ACM at UCLA, the largest CS student organization in SoCal.
- Designed and developed container, header, hero image, and tab group components consistent with ACM's styling.

Covalent | [covalent.app](#)

Jun 2020 – May 2021

- Built a **React** and **Next.js** app that bonds teams through icebreaking games to enhance productivity in virtual workplaces.
- Designed mockups and prototypes in **Figma** while conducting market research to evaluate viability and refine features.
- Launched on [Product Hunt](#) with 300+ upvotes and a 4.9/5 rating and awarded “Best Large Team” at the 2021 ACM Tech Gala.

Activities

Association for Computing Machinery | *Design Board (Nov 2020 – Present)*: Designing logos and UIs to establish a visual identity.

Upsilon Pi Epsilon | *Web Chair (May 2021 – Present)*: Maintaining a **Django** website by fixing bugs and managing accounts.

Skills

Languages: C/C++, Python, HTML, CSS, JavaScript, Go, SQL, Bash, R

Technologies: React.js, Next.js, Node.js, Vue.js, Cypress.io, Django

Tools: AWS (EC2, S3, CloudWatch, CodeBuild), Apache JMeter, Figma, Git, Linux, NewRelic, Optimizely, Postman