

Avery Biskup

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EDUCATION

University of California, Los Angeles (UCLA) | 09/2020 - 03/2023

Degree: Bachelor of Science in Computer Science

SKILLS

Languages: JavaScript/TypeScript | Python | C/C++ | SQL | CSS | HTML

Frameworks: React.js | Vue.js | Next.js | Flask | Node.js | Express.js | Tailwind.css

Tools: FireBase | MongoDB | UNIX | Git | Heroku | Amazon Web Services | Material UI | Tailwind.css | Jira | Supabase | Vercel | OpenAI

EXPERIENCE

Fresh Consulting, Remote | Software Engineer (contractor) | 06/2023 - now

- Built wayfinding application for NBA basketball team deployed to hundreds of thousands of fans.
- Utilized **Next.js**, **Vercel**, and **Sanity.io**, to create a fully integrated, and customizable experience.
- Wrote pathing algorithms to allow users to get directions to and from over 200 unique locations in the arena.
- Integrated with **CMS** to allow live updates, and theme changes within the app by the team's staff.

PDG Consulting, Los Angeles, CA | Software Engineer Intern | 06/2022 - 08/2022

- Built an enterprise-level business-to-business customer portal for a steel company used by 1000s of customers.
- Established pdf-generation tools empowering customers to download 4 relevant PDFs regarding orders and sales history, built with **TypeScript**.
- Constructed performant **SQL** stored procedures enabling 1000s of users to search through 7,000+ parts, gaining stock and price details.
- Decreased server load 30% by minimizing **REST API** fetches through restructuring **React** component hierarchy.

BruinShack, Los Angeles, CA | Software Engineer | 06/2021 - 06/2022

- Led a team of 7 developers in developing new features, and improving website SEO for a small, UCLA-based housing startup with a peak of 500 unique users/week.
- Achieved 10-20 features, and bug fixes each 2-week sprint by applying agile-scrum methodology.
- Architected front end and back end utilizing **Vue**, **Express**, **MongoDB** database, and **AWS S3**.
- Supervised team in transitioning 90% of codebase from **Vue.js** to **Next.js**, improving SEO by 60%.

PROJECTS

J.A.Y, UCLA, CA | 12/2021

- Spearheaded team of 3 to design and create a 3D pathfinding visualization software using 3D **JavaScript** library **Tiny.js**, and **openGL**.
- Implemented a recursive **back-tracking algorithm** to dynamically produce millions of unique solvable mazes with variable size grids in a 3D environment with no latency for users.

CourseMe, UCLA, CA | 03/2021

- Led a team of 5 UCLA students in building a full-stack web application for students to leave reviews on 100s of online-technology courses.
- Architected user review system with an **Express.js** backend, **React** frontend, and **REST API** connected with a **FireBase** database to store user details.

PERSONAL PROJECTS

Interlace AI | 09/2023

- AI-written, SEO-optimized blogs created in minutes, built with **OpenAI**, **Next.js**, **Vercel**, **Tailwind.css**.

ChatLibro | 06/2023

- ChatGPT for books, built with **OpenAI embeddings**, **ChatGPT API**, and **Pinecone database**.

Aambient | 02/2023

- Web app for interacting with Spotify in a folder style, built with **Next.js** and the **Spotify API**.

OneDevList | 01/2023

- An online board for Indie Hackers to post their products, using **Next.js**, **Vercel**, and **SupaBase**.

Gptify.art | 12/2022

- Utilized **Next.js** and **ChatGPT API** to create AI-generated playlists that export to the user's Spotify account.