

Borna Niknahad

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EDUCATION

University of California, Davis

B.S. in Computer Science and Engineering

Davis, CA

Expected Graduation Spring 2025

- **Engineering GPA:** 3.47/4.00
- **Relevant Coursework:** Advanced Algorithm Design & Analysis, Data Structures & Algorithms, Object Oriented Programming, Advanced Computer Architecture, Machine Dependent Programming, Discrete Mathematics

TECHNICAL SKILLS

Languages	Java, Typescript, Javascript, C/C++, Python, Go, Swift, HTML/CSS, SQL, R, Kotlin, x86 Assembly
Frameworks	React.js, Next.js, React Native, Node.js, Redux, Spring Boot, SwiftUI, Express.js, Mongoose, PyTorch
Technologies	PostgreSQL, XCode, Android Studio, MongoDB, Vercel, MySQL, Git, AWS, Postman, Docker, Linux

EXPERIENCE

Vimbly Group

Senior Software Engineer Intern

Manhattan, NY

May 2024 - Aug 2024

- Engineered core full-stack features and mobile app screens for *Mobile Text Alerts*, a prominent SMS marketing platform that sends **100M+** messages across **20,000+** businesses with over eight figures in annual revenue
- Spearheaded the development of a scalable Email & SMS verification system for the mobile app in **React Native** and **TypeScript**, driving the app's trial-to-paid account conversion rate by **18%**
- Elevated backend performance by restructuring key data-handling workflows in **Node.js** and **React** alongside optimizing **MySQL** queries, achieving significant reductions in render time and CPU usage
- Documented and resolved all **Android** and **iOS** related issues, collaborating closely with cross-functional teams to deliver a high-quality, error-free application
- Performed meticulous code reviews, enforcing industry standards to ensure site reliability and scalability

Vimbly Group

Software Engineer Intern

Manhattan, NY

May 2023 - Aug 2023

- Developed key features and screens for the mobile app such as Two-Factor Authentication and the Settings Screen using **React Native** and **Typescript** to ensure a smooth, reliable, and responsive user experience leading to an increase of **+5,000** weekly visitors
- Redesigned and optimized the admin platform's infrastructure and frontend with **React** and **Node.js**, resulting in nearly a **50%** reduction in complaint resolution times and a significant boost in customer support efficiency.
- Maintained a focus on code quality, performance optimization, and adherence to industry standards throughout the development process

BillionMinds

Frontend Software Engineer Intern

Remote

Sep 2023 - Dec 2023

- Created two web dashboards for *BillionMinds* to better display their adaptability and resilience scores by utilizing **MongoDB** to store the values and display charts, along with **Next.js** and **TailwindCSS** to help clients manage and view their company's data
- Aggregated data from dozens of APIs into a MongoDB database with **AWS Lambda** Serverless functions and queried it from the frontend to populate the dashboard and charts
- Developed three initial **Next.js** prototypes into a cohesive, high-fidelity product through continuous collaboration with the client and designers to achieve a robust and functional end result

PROJECTS

Training Tool | *Java (CodeLab Medium)*

- Rebuilt the backend for CodeLab's internal learning platform using **Java**, **PostgreSQL**, and **Spring Boot** to significantly improve the platform's scalability and performance
- Developed fundamental CRUD routes for managing cohorts, courses, modules, and lessons—providing efficient and versatile data interaction capabilities
- Implemented user authentication and authorization with Spring Boot, enabling role-based access control for board members, project managers, developers, and designers
- Created comprehensive relational database schemas in PostgreSQL to outline CodeLab's bootcamp course structure, optimizing data retrieval processes