

# 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

<b>Languages</b>	Java, Typescript, Javascript, C/C++, Python, Go, Swift, HTML/CSS, SQL, R, Kotlin, x86 Assembly
<b>Frameworks</b>	React.js, Next.js, React Native, Node.js, Redux, Spring Boot, SwiftUI, Express.js, Mongoose, PyTorch
<b>Technologies</b>	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