

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:** 3.60/4.00
- **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, Swift, HTML/CSS, SQL, R, x86 Assembly
Frameworks	React.js, React Native, Node.js, Redux, Next.js, 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 - Present

Vimbly Group

Software Engineer Intern

Manhattan, NY

May 2023 - Aug 2023

- Engineered core frontend functionality and mobile app screens for *Mobile Text Alerts*, an online SMS marketing platform that sends **100M+** messages across **20,000+** companies with over eight figures in annual revenue
- Developed key screens and features from scratch such as the Settings Screen and Two-Factor Authentication for the mobile app in **React Native** and **Typescript** to ensure a smooth, reliable, and responsive user experience leading to an increase of **+5,000** weekly visitors
- Enhanced customer interaction by implementing a new AI Text Generator Tool, SmartSMS Suggest, in addition to revamping the customer support platform infrastructure and frontend using **React** and **Node.js** to better aid the customer support team which expedited customer complaint resolution times by over **35%**
- Responsible for promptly documenting and resolving **Android** and **iOS** code base issues through streamlined processes and cross-functional communication to deliver a high-quality, error-free application

BillionMinds

Software Engineer Intern, Frontend

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 designers and *BillionMinds* to achieve a robust and functional end result

Department of Pharmacology at UC Davis, Hell Lab

Research Assistant

Davis, CA

Jun 2022 - May 2023

- Developed and implemented code to a peptide analysis program via **MATLAB**, collaborating with a team of developers to improve its functionality and performance by over **150%**
- Conducted fluorescence-based protein synthesis on 2×10^5 beads on a weekly basis and dissected high-quality membrane tissue protein samples from mice to help the lab reach its goals
- Conducted weekly code reviews to ensure proper syntax quality for readability and functionality

PROJECTS

Training Tool | Java (*CodeLab Medium*)

- Rebuilt the backend for CodeLab's internal training tool 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