

# JOSHUA LE

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## EDUCATION

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### New York University

September 2021 - May 2025

*Bachelor's Degree in Computer Science, Minor in Mathematics, Minor in Web Programming*

- GPA: 3.7/4.0
- Coursework: Natural Language Processing, Computer Security, Computer Vision, Algorithmic Problem Solving, Basic Algorithms, Data Structures (Grader/TA), Interactive Computing (AR/VR), Computer Simulation, Operating Systems, Computer Systems Organization, Linear Algebra, Discrete Math
- Organizations: Tech@NYU (President), Google Developer Student Club, BUGS@NYU (Eboard), Varsity Swim

## EXPERIENCE

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### Wayfair, Software Engineering Intern

June 2023 - August 2023

- Worked on the Searches & Recommendations Team responsible for user and product personalization
- Engineered a critical Java-based recommendation system end-to-end for over 22 million active platform users
- Resolved 4 prevalent SDK issues that allowed for increased versatility and cross-team code compatibility

### Apple, Software Engineering Intern

June 2022 - May 2023

- Operated within the Business Process Reengineering (BPR) development team to track multiple KPIs and team communication across Higher Education & Channel Sales organizations
- Integrated and successfully optimized 3 application features, resulting in a 47% increase in user engagement
- Reduced codebase errors and warnings by 93%, optimizing runtime speed and development efficiency
- Expanded the usability of an internal app's original iPadOS framework by extending support to include macOS

### SendBlue, Software Engineering Intern

September 2021 - April 2022

- Worked on the Core Platform Engineering team to develop a desktop gateway application using ElectronJS
- Recovered 250+ client accounts with the implementation of Firebase email authentication and password recovery

## PROJECTS

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### Debrief, Lead Designer and Developer

April 2023 - May 2023

- Created an LLM-based mobile application (React Native) that serves user-curated news briefings based on recent news from RSS feeds, Twitter, and Reddit by utilizing Nomic maps (text embeddings) and OpenAI calls

### KarLine, Lead Designer and Developer

March 2021 - June 2021

- Built a React Native mobile application utilizing geofencing and database integration for K-12 dismissal systems
- Created an MVP and business presentation pitched toward the Texas Board of Education and interested investors

## LEADERSHIP

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### Tech@NYU, President & Mentor

December 2022 - Present

- Directed strategic initiatives and nurtured team collaboration for NYC's largest tech-focused student organization

### Apple, Campus Leader

May 2022 - May 2023

- Designed events, workshops, and integration methods centered around iOS development/Apple technology

## AWARDS AND HONORS

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NYU CAS Dean's List (F22, S23)

September 2022 - Present

NYC Generative AI Hackathon: 2nd Place Overall, Nomic Award, Quilt Labs Award

April 2023

HackNYU 2022: Best Creative Hack by Meta

February 2022

KleinHacks 2021: 1st Place Overall & Best First-Time Hacker Award

March 2021

## TECHNICAL SKILLS

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<b>Languages</b>	Java, Python, C, JavaScript, Go, Swift, GraphQL, HTML/CSS, SQL, x86-64 Assembly, MATLAB
<b>Technologies</b>	Git, Xcode, React, SwiftUI, Unix/Linux, Postman, Docker, Firebase, Next.js, GCP