

Jared Ni

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Education

Bachelor's in Computer Science. GPA: 3.84/4.0

Aug. 2021 – May 2025

Harvard University

Cambridge, MA

- **Relevant coursework:** systems programming and machine organization, algorithms, full-stack web programming, computational abstraction and design, statistics, linear algebra, calculus, discrete math, etc.
- **Leadership/Activities:** Senior Developer at Datamatch, Software Engineer at Tech for Social Good, Research Fellow at Machine Intelligence Community, Technology Associate at The Harvard Crimson, Volunteer at Harvard Square Homeless Shelter.

Experience

Software Engineer Intern

June 2022 – Aug. 2022

Fidelity Investments

Boston, MA

- Created Java Spring Boot backend service that channels conversational data and research notes published in Microsoft Teams into a database to display on an internal UI in real-time to thousands of employees.
- Exponentially improved time efficiency of data delivery by designing and implementing a multi-threaded bash process for data fetching and processing, reducing scheduler runtime by more than 40 seconds.
- Configured CI/CD pipeline using Jenkins and Karate testing framework.
- Improved project code coverage through writing 500+ lines of Junit and automation tests.

Software Engineer

Sept. 2022 – Present

OkaySo, Harvard Tech for Social Good

Cambridge, MA

- Developing a full-stack web portal with React and Node.js that connects thousands of young adult users with OkaySo's trusted experts, allowing users to communicate confidentially in real-time and receive expert advice on topics related to identity, relationships, and mental and physical health.

Frontend Software Developer

Oct. 2021 – May 2022

Arda

Cambridge, MA

- Worked on Arda Deliver, an android app that allows medical clinics to request and track vaccine orders.
- App received \$70k in initial funding and is currently being tested by The Gambian Ministry of Health.
- Engineered map layout using Mapbox SDK and implemented real-time tracking of drone-delivered orders.
- Designed most of the UI/UX by utilizing Figma and built app layouts using Java.

Computer Science Course Assistant

Aug. 2022 – Present

CS50: Introduction to Computer Science, Harvard University

Cambridge, MA

- Host tutorials and office hours for 30+ undergraduate students weekly, teaching core CS concepts such as algorithms and data structures and helping students develop algorithmic thinking using C and Python.

Relevant Projects

2022 Datamatch Web App

Oct. 2021 – Feb. 2022

- A dating app for students. Has 52k users at Harvard and 42 other colleges and generated over 235k matches.
- Implemented the business logic and frontend of the chat and search box components using React, built database infrastructure with Firebase Cloud Functions.
- Designed and engineered a personalized feedback feature, enabling thousands of users to share their matchmaking-survey results directly to social media sites.

Personal Website

Aug. 2022 – Aug. 2022

- Designed and created a personal website (<https://jaredni.com>) using React, CSS, Netlify, and MongoDB.

Napchat

Nov. 2021 – Dec. 2021

- Social Media web app that gamifies healthy sleep habits by allowing users to log sleep hours and compete with friends in weekly sleep score rankings; built with Python Flask, Firebase, JavaScript, CSS/ HTML, and deployed to Heroku.

Technical Skills

Languages: Python, Java, JavaScript, C/C++, SQL, HTML/CSS, XML, OCaml.

Technologies: React.js, Node.js, Spring Boot, Flask, Firebase, MongoDB, AWS, HTTP Requests, Git, Docker.