# 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 in systems programming and machine organization, algorithms, full-stack web programming, computational abstraction and design, statistics, linear algebra, discrete math, etc.
- Member of the Harvard Computer Society; Technology Associate at The Harvard Crimson.

## Experience

**Computer Science Course Assistant**　　　　　　　　　　　　　　Aug. 2022 – Present
*Harvard John A. Paulson School of Engineering and Applied Sciences*　　Cambridge, MA
- Course Assistant for Harvard's CS50: Introduction to Computer Science.
- Host tutorials and office hours throughout the week to help undergraduate students understand core CS concepts such as algorithms and data structures and develop programmatic thinking using C and Python.

**Software Engineer Intern**　　　　　　　　　　　　　　　　　June 2022 – Aug. 2022
*Fidelity Investments*　　　　　　　　　　　　　　　　　　　　　　Boston, MA
- Created Java Spring Boot backend service that channels conversational and employee data from Microsoft Teams into the database to be accessible on the internal UI in real time to wider groups of users.
- Greatly improved time efficiency of data delivery by designing and implementing a multi-threaded bash process for data fetching and processing.
- Improved project code coverage through writing extensive Junit and automation tests. Configured CI/CD pipeline.
- Worked in an agile environment, attended daily scrum meetings, and performed code reviews.

**Software Developer (Android)**　　　　　　　　　　　　　　　Oct. 2021 – May 2022
*Arda*　　　　　　　　　　　　　　　　　　　　　　　　　　　　Cambridge, MA
- Worked on Arda Deliver, a mobile healthcare application that allows clinics in Gambia to request vaccine supplies within the national healthcare supply chain and track the progress of supplies delivered via drone.
- Built frontend components and layouts using Java and Kotlin, designed UI/UX using Figma, and worked with user authentication and data storage using AWS Amplify.

## Technical Skills

**Languages:** Python, Java, JavaScript, C/C++, SQL, HTML/CSS, XML, OCaml.
**Technologies:** React, React Native, Redux, Node.js, Flask, Spring Boot, Firebase, MongoDB, AWS, Git, Bootstrap.

## Relevant Projects

**Personal Website**　　　　　　　　　　　　　　　　　　　　Aug. 2022 – Aug. 2022
- Designed and created a personal portfolio website (https://jaredni.com) using React, CSS, Netlify, and MongoDB.

**2022 Datamatch Web App**　　　　　　　　　　　　　　　　　Oct. 2021 – Feb. 2022
- Built a survey-based matchmaking service for students at Harvard and 42 other colleges. App generated 235k matches and had 52k active users in 2022.
- 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 the "Red Flags" feature that improves user interaction by providing post-survey feedback and enabling sharing of survey results directly to social media sites.

**Napchat**　　　　　　　　　　　　　　　　　　　　　　　　Nov. 2021 – Dec. 2021
- A social media web app that encourages healthier sleep schedules by allowing users to log sleep hours and compete with friends in weekly sleep score rankings.
- A personal project built using Python Flask, Firebase, JavaScript, CSS/ HTML, and deployed to Heroku.