




JARED NI

☎ 425-463-7170 ✉ jaredni@college.harvard.edu  [linkedin.com/in/jaredhn](https://www.linkedin.com/in/jaredhn)  github.com/jared-ni  jaredni.com

EDUCATION

Bachelor's Degree in Computer Science

Aug. 2021 – May 2025

Harvard University. GPA 3.84/4.00

Cambridge, MA

- **Leadership/Activities:** Senior Software 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.
- **Relevant Coursework:** algorithms, systems, OOP, abstract design, web development, statistics, linear algebra.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript (React), Node.js, HTML/CSS, OCaml, SQL.

Technologies: Linux, Unix, Docker, Git, Postman, Flask, Spring Boot, MongoDB, PostgreSQL, AWS, Firebase, JUnit.

EXPERIENCE

Software Engineer Intern

June 2022 – Aug. 2022

Fidelity Investments

Boston, MA

- Created Java Spring Boot backend service that migrates research data from over 800 MS Team channels to AWS database and feeds them into an internal UI, accessed by thousands of financial analysts.
- Reduced service latency from 2 minutes to less than 30 seconds by designing and implementing a multi-threaded scheduler process for efficient data fetching and processing.
- Achieved 90%+ code coverage and automated the CI/CD testing pipeline using Jenkins and Karate.

Course Assistant

Aug. 2022 – Present

Harvard University

Cambridge, MA

- Leading office hours weekly for 850 students in the introductory CS course.
- Delivering instructions on core CS concepts such as algorithms and data structures in C and Python, relational database and SQL querying, and full stack web development using Flask and JavaScript.

Software Engineer Intern

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.

PROJECTS

Operating System Kernel | C++, Assembly

- Implemented an operating system kernel, capable of page-table mapping between virtual and physical addresses, memory isolation, allocation, freeing, and process forking for up to 16 different OS processes.

OkaySo Expert Portal | React.js, Node.js

- Developed a full-stack web platform in a team of 5 and shipped to the Tech Non-profit start-up OkaySo.
- Project connects OkaySo's health experts with thousands of young adults through real-time messaging and forums.
- Enables more than 10k questions to be answered confidentially by OkaySo's health experts on topics related to identity, relationships, and mental and physical health.

Datamatch Web App | React.js, Node.js, Python, Google Firebase, Netlify

- Developed a matchmaking app in a team of 10, grew to 52k users at 42 colleges and generated over 235k matches.
- Implemented inbox, messaging and search bar using React and Firebase Cloud Functions.
- Designed and engineered an interactive feature that generates personalized survey results for thousands of users; worked with graph APIs to enable users to share their results directly to various social media sites.

Napchat | Python Flask, JavaScript, CSS/HTML, Firebase, Heroku

- 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.