JARED NI

📞 425-463-7170 ✉ jaredni@college.harvard.edu 🔗 linkedin.com/in/jaredhn ⬡ github.com/jared-ni ⌂ jaredni.com

EDUCATION

Bachelor's Degree in Computer Science, GPA 3.84 Aug. 2021 – May 2025

Harvard University *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.

EXPERIENCE

Software Engineer Intern June 2022 – Aug. 2022

Fidelity Investments *Boston, MA*

- Created Java Spring Boot backend service that migrates financial research notes from Microsoft Teams to AWS database and displays them to thousands of employees on an internal UI.
- Greatly improved time efficiency of data fetching and processing by designing and implementing a multi-threaded scheduler process, reducing service runtime by more than 40 seconds.
- Configured and established CI/CD test automation pipeline using Jenkins and Karate framework.
- Improved project code coverage through writing 500+ lines of Junit and automation tests.

Software Engineer Sept. 2022 – Present

OkaySo *Cambridge, MA*

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

CS Course Assistant Aug. 2022 – Present

CS50, 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.

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

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

- Developed a college dating app in a team of 10, grew to 52k users at 42 colleges and generated over 235k matches.
- Implemented inbox, live chat 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.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, HTML/CSS, JavaScript, OCaml, SQL.
Technologies: RESTful APIs, Jenkins, Karate, Spring Boot, Linux, Unix, Docker, Git, Flask, React.js, Node.js, AWS, MongoDB, PostgreSQL, Firebase.