

# JARED NI

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## Education

**Bachelor's Degree in Computer Science, GPA 3.84**  
*Harvard University*

**Aug. 2021 – May 2025**  
*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 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**  
*Fidelity Investments*

**June 2022 – Aug. 2022**  
*Boston, MA*

- Created Java Spring Boot backend service that migrates financial research notes from Microsoft Teams to 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**  
*OkaySo*

**Sept. 2022 – Present**  
*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.

**Android Software Developer**  
*Arda*

**Oct. 2021 – May 2022**  
*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.

**Undergraduate CS Course Assistant**  
*CS50, Harvard University*

**Aug. 2022 – Present**  
*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.

## Projects

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

**Oct. 2021 – Feb. 2022**

- Developed a college dating app in a 10-people team, grew to 52k users at 42 colleges and generated over 235k matches.
- Implemented chat and search bar components using React, built database infrastructure with Firebase Cloud Functions.
- Designed and engineered a 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.

**OCaml Interpreter** | *OCaml*

**April 2022 – May 2022**

- Implemented an interpreter for a Turing-complete subset of OCaml that supports functional operations composed of primitive and complex types, capable of evaluating expressions using substitution, dynamic, and lexical scopes.

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

**Nov. 2021 – Dec. 2021**

- 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, Linux, Docker, Unix, Git, Flask, Spring Boot, React.js, Node.js, AWS, MongoDB, Firebase.