Sam Ismailov

Chicago IL | (773)-454-1334 | ismailowyslam@gmail.com
yslamismailov.vercel.app • github.com/YslamI • www.linkedin.com/in/yslami

EDUCATION

Illinois Institute of Technology   **Chicago, Illinois**
B.S in Computer Science   Expected Graduation: May 2027
Courses: Data Structures & Algorithms, Discrete Structures, Object-oriented programming, Calculus 1-2-3

SKILLS

Languages: Python, JavaScript, TypeScript, PHP, SQL, HTML, CSS
Frameworks and Tools: React.js, Next.js, JQuery, Tailwind CSS, Material UI
Databases: MySQL, Firebase
APIs & Platforms: GitHub, OpenAI API, Vercel

EXPERIENCE

Software Engineering Intern | Starplot   **Nov 2025 – Jan 2026**

- Developing scalable frontend features for an AI-driven Partner Operating System using **Next.js** and **TypeScript**
- Integrating RESTful APIs to connect backend logic with responsive user interfaces, improving data accessibility for end-users
- Participating in Agile sprints and code reviews, ensuring code quality and consistency across the engineering team

ResMatch Research Program | Student Researcher   **Sep 2025 – Dec 2025**

- Conducted literature review on the impact of indoor heat temperatures on human physiology to guide the design of smart monitoring solutions
- Proposed and planned an Arduino-based system to measure temperature, humidity, and heart rate, integrating IoT concepts for real-time data tracking
- Applied computer science skills to outline potential software integration for sensor data visualization and analysis

Software Engineering Fellow at Headstarter AI / Team Leader| USA (Remote)   **Jul 2024 – Sep 2024**

- Built 5+ full-stack AI application prototypes, developed with modern technologies like **React**, **Next.js**, **OpenAI API** and more
- Led a team of 3 software engineering fellows, by delegating tasks and mentoring
- Received mentorship from engineers at **Amazon**, **Google**, and **Capital One**, as well as **Y Combinator**-backed startup founders, focusing on technical growth and adaptability

PROJECTS

SyncUp | *https://github.com/Fullooh/Headstarter-Final-Project*   **Sep 2024**

- Designed and deployed a networking platform (Tinder + LinkedIn hybrid) enabling users to efficiently discover coworkers
- Implemented a matching algorithm with optimized Firebase queries, supporting **800+ signups on waitlist**
- Tech Stack: **Next.js**, **Tailwind**, **Firebase**, **React.js**. Check on GitHub

Flashcards SaaS | *https://github.com/YslamI/flashcards_saas*   **Aug 2024**

- Developed SaaS platform that generates flashcards using the **OpenAI API** and integrated a **secure Stripe payment system**
- Optimized data retrieval and state management for fast load times across user sessions.
- Tech Stack: **OpenAI API**, **Next.js** for back-end and **Material UI** for front-end

ACTIVITIES AND LEADERSHIP

Code Club | President | University of South Dakota   **September 2024 – May 2025**

- Directed weekly coding workshops for **25+ students**, teaching advanced **Data Structures & Algorithms** (Graphs, Trees, DP) to prepare members for technical interviews
- Encourage collaboration by reviewing peers' solutions and discussing algorithmic trade-offs

ADDITIONAL INFORMATION

- **Languages:** English, Russian, Turkish, Chinese, Turkmen