

Yassin Benelhajlahsen

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EDUCATION

CUNY - Brooklyn College

Expected June 2026

Bachelor of Science

New York, NY

- **GPA:** 3.6/4.0
- **Relevant Coursework:** Data Structures & Algorithms, OOP, Databases, Computer Architecture, AI.

PROJECTS

SoaperNote | *React, Tailwind CSS, FastAPI, Firebase, Stripe*

- Shipped a full-stack, HIPAA-aware clinical notes platform with AI transcription, voice-to-edit flows, and dynamic SOAP templates as an intern with Soaper.
- Implemented client-side AES-GCM-256 with per-user non-extractable WebCrypto keys in IndexedDB; bound ciphertext to Firebase UID.
- Implemented subscription system with Stripe, usage quotas, referral codes, and paywall logic.
- Structured backend with FastAPI routers for notes, subscriptions, and magic-wand endpoints; clean Pydantic schemas and environment-driven config via pydantic-settings.

Scorva | *React, Tailwind CSS, Node.js, Express, PostgreSQL*

- Developed and deployed a full-stack sports tracking app for the NBA, NFL, and NHL, enabling live game updates, player profiles, and box scores for 3,000+ historical games using real-time public API data.
- Designed and normalized a PostgreSQL schema for 100,000+ stat records, enabling high-performance queries across 3,000+ players and historical games; built RESTful APIs in Node.js and Express to enable efficient queries and data aggregation.

Sirat | *React Native, Expo*

- Developing a mobile Islamic utility app with React Native, featuring location-based services for prayer times, Qibla direction, and mosque discovery.
- Integrating map and compass APIs for real-time spatial guidance, with a responsive UI and support for multiple geographic regions.

EXPERIENCE

Software Engineer Intern

June 2025 – Present

Soaper

Remote

- Built and optimized full-stack features using React, FastAPI, and PostgreSQL, reducing frontend latency by 25% through improved API efficiency and component performance.
- Built a multi-parameter radiology search with indexed queries, achieving sub-millisecond DB lookups on 120k+ rows and sub-20ms API p95 responses by batching and caching requests.
- Built scalable, reusable UI components in React and TypeScript, decreasing feature development time by 30% and ensuring WCAG-compliant accessibility across web and mobile platforms.
- Collaborated with physicians and healthcare experts to translate complex medical workflows into user-friendly software solutions, improving clinician efficiency and reducing manual data entry by 40%.

Infrastructure QA Engineer Intern

May 2025 – August 2025

NYC Department of Education – Division of Instructional and Information Technology

New York, NY

- Deployed and configured servers, IP-based systems, and desktop images across NYC schools; scripted automation tools to streamline system rollouts and reduce manual setup time.
- Diagnosed hardware/software issues and executed on-site audits across 5 boroughs; authored technical documentation and collaborated with vendors to support infrastructure reliability.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, C++, SQL

Backend: Node.js, Express, PostgreSQL, FastAPI, SQLAlchemy, REST APIs, AWS, Azure, CI/CD Pipelines

Frontend: React, React Native, Expo, Tailwind CSS

Developer Tools: Git, GitHub, Expo, Vercel, Railway, Firebase, Stripe