

# CHRISTIAN PHANHOURATH

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## EDUCATION

**Yale University** | New Haven, CT

May 2028

- BS in Computer Science, GPA: 3.85/4.0
- Honors: Yale Engineering & Science Scholar, Hans Frei Scholar, Yale Endowed Scholar, Jane Street FOCUS
- Relevant Coursework: Systems Programming, Data Structures, Algorithms, Data Science, Machine Learning, Quantum Computing, Discrete Mathematics, Multivariable Calculus, Computer Vision

## EXPERIENCE

**Yale Labs** | Technical Project Co-Lead

February 2025 – Present

- Directing and developing Yale's research database while leading a team of 6 engineers to ship weekly feature updates
- Built fast, scalable site architecture with MERN stack, enabling advanced search and lab discovery
- Spearheading redevelopment of Yale's official research database used by 6K+ students and faculty

**CollegeBase** | Chief Marketing Officer

July 2025 – Present

- Scaled user base to 40K+ for AI-powered college admissions startup, accessible at collegebase.org
- Launched and led UGC creator program with 20+ college ambassadors
- Collaborated cross-functionally with dev team to improve user retention and engagement

**Yale Computer Society** | Events Director

August 2024 – Present

- Plan and coordinate technical algorithmic & programming workshops and hackathons to engage the Yale tech community
- Collaborate with software engineers, alumni, and student organizations to secure speakers and sponsorships
- Manage event logistics, including budgeting, marketing, and attendee outreach from our 100+ members

**Yideshare** | Next.js, Supabase

April 2025 – September 2025

- Developed full-stack web app for student carpooling using Next.js
- Implemented real-time chat, smart name-based search, and profile browsing; designed for multi-campus use
- Collaborated with team to deploy early prototype and conduct user testing with Yale students

## PROJECTS

**YCrush** | MongoDB, Express, React, Node

February 2025 – Present

- Built a dating web app for Yale students featuring profile browsing, matching, and chat functionality with RESTful APIs
- Designed UI with Tailwind and implemented React Router for dynamic page transitions and auth handling
- Implemented fast profile pre-loading to optimize user experience and mitigate infinite loading time by 300%

**BeBetter** | MongoDB, Express, React, Node

March 2025 – May 2025

- Created cross-platform React Native app with BeReal-style photo check-ins, streaks, and habit groups
- Integrated push notifications and Google Firebase Authentication for seamless user experience
- Designed for initial beta launch to 100+ testers, focused on gamified accountability

**Superdense Coding Protocol** | Python, Qiskit

June 2023 - December 2023

- Simulated a secure quantum communication protocol using Qiskit on IBM's quantum computers
- Critically analyzed the protocol's efficiency and robustness, achieving a 20% reduction in computation time compared to baseline
- Presented to MIT faculty and peers at MITES Symposium

## TECHNICAL SKILLS

- Languages: Python, C/C++, Java, JavaScript, HTML/CSS, SQL, R
- Libraries & Frameworks: Pandas, NumPy, Scikit-Learn, React, Node.js, Express, MongoDB, Tailwind, Puppeteer
- Tools: Git, Qiskit, API Integration, Web Scraping, Figma
- Languages: Spanish (Intermediate), Korean (Elementary)

## LEADERSHIP & INTERESTS

- Yale ColorStack: Communications Chair - Amplified student-of-color initiatives in CS
- Music: Carnegie Hall-performing cellist with 10+ years of classical training
- Content Creation: audience of 10k+ and millions of views across reels, advice, and lifestyle content