

DANIEL SAM WIJAYA

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Education:

Boston University, Boston, MA

Joint B.A. in Computer Science & Economics, Minor in Business

Expected Jan 2026

Coursework: Product Management, User-Centric Design, Algorithms, Computer Systems, Data Analysis & Empirical Economics

Skills:

Programming & Platform Apps: React, Python, Java, HTML, CSS, SQL, R, Figma, Excel, WordPress

Language: Bilingual in English & Bahasa Indonesia, Limited Working Proficiency in Chinese

Projects:

A.I - Powered Visual Mood & Composition Analyzer for Filmmakers

July 2025 – Present

Self-Starter Exploration Project

- **Research** to make an A.I tool for filmmakers to generate “mood profiles” by analyzing color, and clip composition
- **Plan rule-based & ML methods** (OpenCV, scikit-learn, pre-trained models) for composition detection
- **Review 8+ Academic Papers** on affective image analysis, composition detection and visual storytelling

Professional Experience:

TACHYO – Atomic Hands, Boston, MA

June 2025 – Present

Full-Stack App Developer Intern

- **Achieve 98% coverage** of 312 STEM synsets and cutting ~95% manual work by **owning** end-to-end semantic retrieval pipeline with multilingual resources and OpenVerse
- **Boost image relevance +300%** via OpenAI's CLIP embedding, image-to image matching, MLflow, and industry QA checks
- **Lead user validation sessions** ASL educators to confirm clarity and refining retrieval strategies based on feedback
- **Establish clear workflows**, guides, and handoff materials to help future contributors maintain and scale the system

Boston University - School of Public Health, Boston, MA

April 2025 - Present

Full-Stack Developer - Undergraduate Research Assistant

- **Initiate and maintain a TB Tracker platform** that focuses on aiding mobile health teams in Peru by tracking real-time screening data in collaboration with School of Public Health
- **Develop a responsive React/ Supabase app** allowing on-field monitoring, log screenings and submit case tickets efficiently
- **Streamlined geographic prioritization** with Leaflet and R shapefiles data to visualize undeserved areas and past testing locations to direct decision making for effective resource allocation
- **Collaborate with public health researchers and engineers** to translate feedback into actionable product iterations

Cause Connect, Boston, MA

May 2024 - Present

Founder & Project Manager | a tech platform linking students to nonprofits

- **Build a student-nonprofit job platform**, engaging 5+ nonprofits & 20+ students, supported by 50+ user interviews to shape priorities and GTM strategy
- **Map wireframes in Figma** and created custom workflows for multiple user types and onboarding flows
- **Document the platform** in a detailed ReadMe and ran manual tests, including mock logins and workflow QA
- **Leverage** Lovable.dev to scaffold a full-stack web app and integrate Google OAuth and Supabase for backend services

PMReady x Hack4Impact@BU, Boston, MA

January 2025 – May 2025

Product Management Intern

- **Delivered a fully functional event operations system** for a student organization, cutting coordination time by 80% and eliminating bottlenecks in planning workflows
- **Led full product development lifecycle** using React, MUI, and MongoDB—from initial discovery to deployment—delivering a functional MVP within 8 weeks through tight agile cycles
- **Launched the MVP in under 8 weeks** as part of a 3-person experimental team, owning the full lifecycle from problem scoping to production deployment including product documentation and feature roadmap
- **Shortened onboarding time by 67%** through intuitive Figma UI design and incorporating user feedback across 10+, allowing new users to operate independently without formal training

Extracurricular Activities:

PM Job Simulations (Forage), E-Board Impact Team (PMReady), Salesforce Academy (Deloitte), Google Data Analysis Certificate