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 Tools: React, Python, Java, Jira, GitLab, Agile (Scrum), REST APIs, Figma, SDLC, QA, Microsoft Office
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 internal documentation** using Markdown and contributed to GitLab-base version control workflows

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
- **Enhance a centralized dashboard interface for 500+ sites** using Leaflet maps, React UI, and dynamic filtering tools
- **Translated public health research needs** into functional UI/UX flows, and worked closely with backend teams to ensure reliable data routing and visualization logic

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

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—and facilitated sprints, roadmap planning and delivery cycles using Agile methodologies in Jira
- **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