Timson Tan

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Education

The City College of New York, CUNY   Expected Graduation: May 2026
Bachelor of Science in Computer Science   *New York, NY*

Experience

Stuffy   Jul 2025 – Present
Software Engineer Intern   *Remote*
- Engineered a full-featured Discord moderation bot using JavaScript (discord.js), boosting system scalability and efficiency for a community of 8,000+ members.
- Architected modular command frameworks and automated workflows, cutting manual moderation tasks by 40% and improving response time to user reports.
- Enhanced server performance and engagement pipelines, driving a 25% increase in community participation and fostering a stronger, more active user base.

Sports Media   Jan 2025 – Jun 2025
Computer Science Intern   *Remote*
- Designed and deployed the frontend UI for a social media platform using TypeScript, TailwindCSS, and Supabase, ensuring seamless responsiveness across devices.
- Integrated SupabaseAuth to deliver secure authentication and streamlined user onboarding, increasing platform reliability and retention.
- Automated large-scale email verification (1M+ addresses/month) through a Python–Google Sheets API pipeline, reducing invalid emails by 20% and saving $1,000+ annually.

Headstarter   Jul 2024 – Sep 2024
Software Engineer Fellow   *Brooklyn, NY*
- Co-developed and launched a SaaS product that dynamically generates study flashcards on any topic, improving accessibility for students and educators.
- Implemented data scraping algorithms to curate a comprehensive SAT question database, aligning content with the latest exam standards.
- Engaged in weekly mentorship sessions with engineers from Google, Y Combinator, Stanford, and Amazon, refining technical and product-development skills.

Projects

StepSync | *May 2025 Typescript, Next.js, React, Supabase, Tailwind CSS, Vercel*
- Deployed a full-stack fitness tracking platform featuring real-time dashboards, social connectivity, and personalized goal setting.
- Implemented user dashboards with goal tracking, workout analytics, and dynamic calendar views powered by Supabase queries.
- Designed normalized Supabase schema to support workouts, sessions, goals, and user relationships with efficient relational querying.

Lernen | *Dec 2024 TypeScript, Next.js, React, Supabase, Google Gemini, TailwindCSS*
- Architected and implemented a full-stack course management system using Next.js, TypeScript, and Supabase.
- Engineered real-time course scheduling system with conflict detection and interactive calendar visualization.
- Integrated Google's Gemini AI model to create an intelligent chatbot assistant, providing real-time academic support and platform guidance to students.

Technical Skills

Languages: TypeScript, Python, C++, Java, JavaScript, SQL, LaTeX
Technologies: React, Next.js, Node.js, Supabase, PostgreSQL, TailwindCSS, Jira, Git, GitHub, PostgreSQL, Google Firebase, Stripe , OpenAI, Google Gemini, Vercel, WordPress, Figma, Airtable, MS Word, MS Excel, Google Suite, NumPy, Pandas, Matplotlib, Vite