

Peeranat (Ken) Sugsavanvit

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EDUCATION

Wesleyan University | Middletown, CT

August 2025 - Expected 2029

Bachelor of Arts - Intended Majors: Computer Science and Economics

- **Honors: Freeman Asian Scholar:** Full-ride merit scholarship awarded to 11 students across Asia (~\$400,000 award)

TECHNICAL EXPERIENCE

Privacy Tech Lab | Research Assistant | Middletown, CT

April 2026 – Present

- Advisor: Prof. Sebastian Zimmeck (NSF & Google funded)
- Building a reference implementation of Global Privacy Control (GPC) integrated into the Model Context Protocol (MCP), enabling privacy opt-out signaling across AI agent chains (e.g., ChatGPT → travel agent → airline)
- Designing context-bound data minimization logic: an MCP interceptor that strips personal information during anonymous discovery phases and releases only purpose-limited data at fulfillment

CMKL (Carnegie Mellon-KMITL) | Research Assistant | Bangkok, Thailand

June 2024 - August 2024

- Co-authored two research papers on deep learning efficiency and model interpretability.
- Developed Parameter Cycling for training efficiency & Contextual Encoding for better model transparency.

WORK EXPERIENCE

KBTG (Kasikorn Bank) | Data Scientist Intern | Bangkok, Thailand

Jun 2026 – Present

- Analyzing Non-Performing Assets (NPAs) and real estate valuation factors using predictive modeling to automate property appraisal, projecting a significant reduction in manual appraisal overhead.

Spike | Head of Growth | Middletown, CT |

Mar 2026 – Present

- Architected a data pipeline to scrape and analyze creator social metrics, leveraging insights to design a User Generated Content (UGC) playbook that scaled short-form video audience retention to 500k+ views.

KenFilms Production | Freelance Videographer & Entrepreneur | Global

June 2022 - Present

- Founded a digital media production venture, generating \$10,000+ in freelance revenue and scaling a YouTube channel to 2M+ views and 6,000+ subscribers.
- Negotiated and executed B2B promotional content partnerships with AI startups, including Cluely, Captions AI, and Superprofile.

PROJECTS

HybridAF (hybridaf.app) | Founder & Sole Engineer | Next.js, TypeScript, PostgreSQL, Claude API

- Built and deployed a production multi-tenant fitness SaaS with per-user data isolation, Clerk auth, and Google Calendar, Strava, and Apple HealthKit integrations (custom native iOS app), plus an LLM-powered AI coach that agentically schedules recovery-aware training sessions into users' real calendar gaps via tool-calling.
- Drove pre-launch growth solo: built a referral-attributed waitlist funnel and generated 30K+ Instagram impressions in 2 weeks through a build-in-public content strategy.

Algorithmic Trading Indicator Suite | Pine Script (TradingView)

- Engineered a multi-timeframe trading indicator using an array-based Zig Zag algorithm and a square-wave state machine to identify market structural shifts; currently utilized by 30+ active traders.

AlphaScanner | Python

- Backtested 6 swing strategies across 735 US equities, 25yr WRDS/CRSP. Walk-forward validation with SPY 200-day regime filter → 49 survivors (avg OOS Sharpe 2.5, 97% profitable on held-out windows). Live via Alpaca, automated ATR stops: +7.4% since late April. Results can be viewed via <https://strategygrade.io>

SKILLS

Python, Java, C++, C, OCaml | NumPy, PyTorch, Matplotlib | DaVinci Resolve, Lightroom