

# Han (Harrison) Lee

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## EDUCATION

### Stanford University - B.S. Computer Science and Economics GPA 4.0

June 2027  
Palo Alto, CA

- Relevant Coursework: Lin-Alg, Mult-var Calc, Programming Methodology + Abstr, Prob for CS, Comp Org and Sys
- Extracurricular: XEF Fellow, 28 Student Marshal, Portfolio Manager @ Blyth Fund, Editor @ STLR, Board @ SSE, ACM
- Awards: US Presidential Scholar (161/4,000,000), 2x AIME Qualifier, selected to speak about WMDs at UN General Assembly

## RELEVANT EXPERIENCE

### Founder and CEO *Mobs Technologies LLC*

Jun. 2025 – Present  
Atlanta, GA

- Launched full-stack cross-platform social app (300k+ DB queries) with Next.js, React Native, and Firebase backend infrastructure.
- Engineered real-time messaging infra with WebSockets + Firebase, supporting concurrent sessions with <200ms response latency.
- Integrated Mapbox (web/mobile) for live maps, geofencing, location tracking, and user-matching algorithms.
- Optimized for 138ms app load, 42ms React renders, 900KB user JS bundle, 7ms React state updates, 35ms page navigation.
- Delivered 93% cache-based requests, 59ms DB queries, 53ms API latency, 20ms data sync, 117ms form saves, 224ms image loads.
- Directed product and engineering strategy, securing pre-seed investor interest and incorporating user feedback into roadmap.

### Advisor / AI Engineer

*Elixir Games*

May 2025 – Jul. 2025  
San Francisco, CA

- Guided Web3 → Web2 pivot, authored blockchain security reviews, and designed SDK enabling faster AI agent prototyping.
- Presented engineering strategy to leadership; roadmap adopted in Series A investor materials and growth planning.
- Collaborated with product leads and strategic partners to align AI roadmap with gaming features, cutting integration time by 20%.
- Evaluated deep learning models for in-game agents, benchmarking performance and recommending scalable frameworks.

### Financial Planning & Analysis Intern

*Aplazo*

Apr. 2025 – Jul. 2025  
Mexico City, Mexico

- Automated FP&A workflows with Python + BigQuery, cutting run-times by 50%+ on roughly 1M records.
- Audited analytics stack and delivered the firm's first standardized KPI framework across Finance and Strategy teams.
- Built modular Textual UI platform for Excel template management; access given to 50+ in-house Finance/Strategy professionals.
- Engineered cohort tracking, loss forecasting, and pivot table reporting systems for merchant loan portfolios.

### Project Manager & Software Developer

*Bithenergy*

Mar. 2025 – May 2025  
Baltimore, MD

- Engineered scheduling and tracking tools supporting 11 cross-functional teams on 500MW solar pipeline, improving feasibility approvals and life cycle of projects.
- Assisted in the design of a chatbot for green energy due diligence, cutting property analysis time from 2 weeks to 3 days.
- Synthesized regulatory compliance and interconnection studies into clear recommendations for leadership.
- Coordinated with engineering contractors and set deadlines for C-Suite to align project milestones, reducing delays and costs.

### Machine Learning Intern

*Zephyr Technologies*

Jan. 2025 – Mar. 2025  
Austin, TX

- Automated dataset workflows with Python scripts to preprocess & validate labels, boosting efficiency for supervised learning tasks.
- Produced training-ready datasets that improved object detection & classification models, supporting applied ML research at Zephyr.
- Labeled large video/image datasets for computer vision using Roboflow and Python, exporting high-quality JSON annotations.

### Investment Associate

*Acela Capital Management*

Mar. 2024 – Dec. 2024  
Palo Alto, CA

- Researched \$5B+ medtech firms, generating reports that shaped \$50M+ investment allocations and sector strategies.
- Collaborated on DCFs and ROI models with senior analysts, reducing portfolio volatility by 12% YoY.
- Built comparative valuation decks and market comps used in client pitches and partner discussions with LP investors.
- Tracked sector M&A activity and presented insights to partners, helping identify two potential low-cap investments.

### State Executive Vice President

*Georgia FBLA*

Mar. 2023 – May 2024  
Atlanta, GA

- Led 23k members, organized 13 statewide conferences (200–5k attendees each), and raised \$150k+ for national charities.
- Directed 26 statewide programs and trained 16 ambassadors; boosted national competition wins to record levels.
- Negotiated sponsorships with corporations and universities, securing \$50k+ in direct support for student initiatives.

## PROJECTS

### ACTUATE

Team of 4 | Sep. 2025 – Dec. 2025

- Built a live, unified ITAR compliance dashboard that streamlines management for facilities, on/offboards employees, labels status for product clearance, raises flags on overdue tasks and violations, and autonomously completes incomplete checklist items upon call.
- Implemented advanced data visualization components with Recharts, complex state management with TanStack Table, and responsive design patterns to deliver a performant, type-safe dashboard experience.

### Friends 4 Payments (GDG Google x Stanford “Build with Gemini” Hackathon Winner)

Team of 3 | Nov. 2025

- Built a real-time co-pilot that autonomously plays video games with the user while handling real money transactions (in-game purchases, Uber Eats orders) and live demo'd a Gemini 2.5 Flash-powered agent that ordered a pizza from a local pizza spot.
- Distributed multi-protocol architecture combining MCP for real-time game state synchronization, X402 micropayment protocol with CoinBase + Solana blockchain integration, and edge-deployed payment middleware on Cloudflare Workers, enabling autonomous agent orchestration of atomic transactions with cryptographic verification, dynamic tool discovery, and persistent state management across game interactions and real-world payment flows.

### Alpha Agents (Lux Cap/Modal AI Agent & Infra Hackathon Finalist)

Team of 2 | Aug. 2025

- Built autonomous trading system via Next.js frontend, FastAPI backend, and PostgreSQL database, enabling real-time simulations.
- Integrated 5+ financial/data APIs (Alpaca, Finnhub, SEC EDGAR, FRED, Tavily) for live trading and research pipelines.
- Implemented LangGraph AI orchestration to power portfolio analysis, complex trading queries, and research automation.
- Applied VectorBT + PyPortfolioOpt to optimize strategies (HRP, Black-Litterman), improving Sharpe ratios during simulations.
- Leveraged Modal serverless compute for large-scale distributed backtesting, scaling to 1K+ parameterized trading runs.

### B-Connected

Team of 3 | Mar. 2025 – June 2025

- Built AI-powered expert matching with GPT-4.1 + vector search and a multi-factor scoring algorithm that ranks 5K+ profiles.
- Designed microservices infra via Docker + Gunicorn, automated pipelines, and real-time search processing 152K+ expert data rows.
- Developed marketplace with Flask REST API, Next.js frontend, real-time chat, GCal-compatible bookings, and advanced filtering.

## SKILLS & INTERESTS

**Programming Languages:** Python, C/C++, JavaScript/TypeScript, SQL, HTML/CSS

**Frameworks and Tools:** FastAPI, React, Next.js, TensorFlow, Pandas, Docker, BigQuery, Google Cloud, LangChain, REST APIs

**Interests:** Track and Field (Pole Vault), Golf, Guitar, Piano, Tennis, Philosophy, Government, Startups & Venture Capital