

William Whitehead

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EDUCATION

The University of Kansas (KU) , B.S. in Computer Science	Expected Dec 2025
– ACM at KU, HackKU Organizing Team, Rock Chalk Investment Club, KU Run Club	
– Completed Brian McClendon's Startup School with mentorship from Y Combinator partners	

EXPERIENCE

Incoming Web Development Intern , Cboe Global Markets	Summer 2025
– Selected for a 10-week internship on the Web Software Engineering team at a major options exchange	
Technology Director , HackKU25	May 2024 – Apr 2025
– Built and deployed a full-stack hackathon platform handling auth, analytics, and in-person event check-ins	
– Implemented RBAC-protected admin dashboard with real-time metrics, QR check-in, and access control	
– Engineered secure backend using Next.js, Prisma, Vercel Server Actions, and NextAuth	
Quantitative Trading Intern , Tradebot Systems	Jun 2024 – Jul 2024
– Built a dashboard using pandas to visualize multi-level order book behavior across exchanges	
– Co-led a research initiative to backtest a novel depth-of-book-based trading signal	
– Developed an Apache Airflow pipeline to automate aggregation of exchange-level book data	
– Tools were integrated into the team's workflow, accelerating testing and gaining engineering resources	
Undergraduate Research Assistant , KUbeSat	Feb 2023 – May 2024
– Co-authored and presented a research paper at the International Telemetering Conference	
– Developed start and stop logic for two mission-critical payloads using STM32Cube	
– Contributed to the University of Kansas' first satellite mission with NASA's CubeSat Launch Initiative	
Web Director , University of Kansas ACM	Dec 2023 – May 2024
– Built KU's largest Engineering organization's site using Astro and Tailwind CSS	
– Engineered a custom tutoring schedule component to improve accessibility for 450+ members	
– Developed GitHub Actions workflow for automated deployment, reducing future manual overhead	
Founder , Exodus	Aug 2022
– Grew an e-commerce store with international reach using organic social media marketing	
– Drove 4,000+ store sessions and 65 conversions using content-led strategies	
– Managed end-to-end operations including product sourcing, customer support, and analytics	

PROJECTS

Tickget – <i>TypeScript, Next.js, React, PostgreSQL, Stripe Connect</i>
– Designed a seamless UI for listing, discovering, and securely purchasing student event tickets
– Built an escrow-based transaction system that releases funds only after ticket verification
– Integrated Stripe Connect for handling multi-party payments with automated fund distribution
CSjobs – <i>JavaScript, Express, React, PostgreSQL, Mantine UI</i>
– Aggregated over 1,000 software internships into a searchable database to streamline job hunting
– Developed user dashboards for saving job posts, tracking application statuses, and progress
– Crafted a fully responsive interface with Mantine UI, optimized for both desktop and mobile

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML, CSS
Frameworks: React, Next.js, Tailwind CSS, Express, Flask, FastAPI, Prisma, NextAuth
Tools: Firebase, Vercel, Render, GitHub Actions, Apache Airflow, Git, pandas