

William Whitehead

whitehead@ku.edu | willwhitehead.com | github.com/w1lt

EDUCATION

The University of Kansas	Expected Dec 2025
Bachelor of Science in Computer Science, Cybersecurity Certificate	
– 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	Summer 2025
Cboe Global Markets	
– Selected for a 10-week internship on the Web Software Engineering team at a major options exchange	
Technology Director	May 2024 – Apr 2025
HackKU25	
– Developed a hackathon management platform used by 914 registrants, driving a 20% increase in attendance	
– Built real-time QR check-in system tracking 2.2K+ unique check-ins, powering live analytics for 20+ organizers	
– Streamlined operations with automated attendance, live metrics, and secure, role-based admin access	
Quantitative Trading Intern	Jun 2024 – Jul 2024
Tradebot Systems	
– Developed dashboards to visualize multi-level order book behavior across 10+ exchanges	
– Co-led a research initiative to backtest a novel depth-of-book-based trading signal	
– Automated aggregation of 5M+ daily market updates across venues via Apache Airflow pipelines	
– Delivered tools that accelerated signal testing and were adopted into the team's production workflow	
Undergraduate Research Assistant	Feb 2023 – May 2024
KUbeSat	
– 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	Dec 2023 – May 2024
University of Kansas ACM	
– 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	Aug 2022
Exodus	
– 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>Next.js, TypeScript, React, PostgreSQL, Prisma, Stripe Connect, TailwindCSS</i>	Fall 2024
– 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>	Summer 2024
– 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