

# William Whitehead

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## EDUCATION

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### 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

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### 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 Telemetry 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

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### Tickget – *Next.js, TypeScript, React, PostgreSQL, Prisma, Stripe Connect, TailwindCSS*

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 – *JavaScript, Express, React, PostgreSQL, Mantine UI*

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

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**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