# Sam Mozer

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## Experience

**Cloudflare** | Austin, TX — July 2025 – Present

*Customer Engineer (Oct 2026 – Present) · Associate Solutions Engineer (Jul 2025 – Oct 2026)*

- Since aligning to 3 Enterprise Commercial Account Executives in Q2 2026, helped close **62+ deals** across **48 accounts** worth **$1.6M+**.
- In Q3 2026 alone, helped close **$1M+** across **20+ deals** and won **9 of 12 proofs of concept**.
- Led **40+ proofs of concept** and **100+ demos and discovery calls** across Cloudflare's app security, performance, Zero Trust, AI, and developer platform products.
- Support customers after the sale through onboarding, implementation, and debugging, turning closed deals into working deployments.

**Reni AI** | AI Home Renovation iOS App — December 2025 – Present

*Co-Founder* — *Remote*

- Co-founded and shipped an AI home-renovation app on the App Store (SwiftUI, Supabase), growing to **4,000+ users** and **$8,000+ in revenue** from paid subscriptions.
- Built the AI backend: an LLM intent classifier routes each request across 15 edit types to the best image model (Gemini 3 Pro, Gemini 3.1 Flash, GPT Image), with a Llama fallback on Workers AI via AI Gateway.
- Shipped shoppable designs: Gemini Vision locates items in each render for Google Lens and Amazon product search, and generated colors are matched to real paint brands.
- Ran feedback calls with early users and turned their input into shipped features; drove growth via UGC and influencer partnerships.

**United Airlines** — June 2024 – August 2024

*Software Engineer Intern* — *Chicago, IL*

- Built features for a production Java Spring Boot and React microservice on AWS supporting baggage tracking for **5,000+ daily flights**, debugging data issues with DynamoDB and Postman.
- Led a 5-person case study team to improve customer personalization, conducting 20+ user interviews and presenting approved technical recommendations based on customer feedback.

**Employers Insurance Group** — June 2023 – December 2023

*Security Engineer Intern* — *Remote*

- Performed vulnerability assessments and penetration tests using Rapid7, Metasploit Pro, and Core Impact.
- Oversaw rollout of security awareness and phishing analytics software through targeted simulations and training.

## Projects

**NCAAB Betting Market Tracker** | *TypeScript, Cloudflare Workers, D1, Python* — 2025

- Built a serverless pipeline that captures betting lines and public betting splits every 15 minutes, storing **175K+ snapshots** across **7,000+ games** in a SQL database with a live dashboard and JSON API.
- Backtested 240 "fade the public" strategy variants in Python for win rate, ROI, and statistical significance.

**NFL Play Prediction Model** | *Python, Keras, TensorFlow* — 2024

- Built an LSTM neural network on NFL play-by-play data (down, distance, field position, score, win probability) that predicts play calls with **73% accuracy** across four play types.
- Published a Medium article on the data, model, and how coaches could use it to anticipate opponents.

## Technical Skills

**AI / LLM**: Gemini, OpenAI & Claude APIs, Workers AI, AI Gateway, AI Security, Agents & Tool Use, MCP Servers & Portals, RAG, Model Routing & Fallbacks, Structured Outputs, Image Generation, Prompt Engineering
**Cloud & Infra**: Cloudflare Workers, WAF, Bot Management, CDN, Load Balancing, Zero Trust, Supabase (Postgres, Edge Functions), AWS, Docker
**Coding**: Python, TypeScript, JavaScript, SQL, Swift, Java, React, Node.js, SwiftUI, Git

## Education

**University of Wisconsin-Madison** — Madison, WI

*B.S. Computer Science and Data Science* — *September 2021 – May 2025*