

Email: milestuck95@gmail.com [Linkedin](#)

Miles Tucker

SKILLS: Python,, Typescript,OpenAI SDK, Reactjs, SQL, CosmosDB, C#, Claude Code

WORK EXPERIENCE

Darknore, Atlanta, GA

Software Engineer, Founder

Jan 2025 – Present

- Built an AI-powered browser agent end-to-end (Python backend, Next.js frontend), using the OpenAI 4o vision model and the Playwright MCP server to autonomously navigate and QA test website front-ends for software engineering teams
- Built a custom MCP host and session-recording pipeline (JS instrumentation → backend → Playwright MCP) that captured real user session interactions and auto-generated executable E2E test workflows from them.
- Increased paid customer retention by 4x (from 3 to 12 months) by continuously iterating on the product based on user feedback and interview insights.
- Designed the core abstraction that decoupled recorded workflows from brittle DOM selectors: converted user session recordings into plain-English step descriptions, resolved back to live elements via Playwright MCP
- Implemented error handling by adding end-of-workflow state assertions so that misclicks or missing HTML elements produced accurate failures instead of false passes.

Microsoft, Atlanta, GA

Software Engineer II

Mar 2022 – May 2025

- Implemented scope-based access controls for our group policy migration tool. Integrating with internal RBAC infrastructure to enable enterprise customers like Accenture and NHS to manage policy permissions across their organizations.
- Identified UX performance as a top customer friction point and designed platform infrastructure improvements that increased Intune blade load times by 40%.
- Led design strategy to migrate 100+ microservices from access-key-based storage to cert-based authentication, managed identity, and user delegation SAS, significantly improving security posture.

Untold, Seattle, WA

Co-Founder/Software Engineer

Apr 2021 – Feb 2022

- Built a platform that generated personalized written stories using OpenAI api.
- Acquired 15 paying customers through Reddit posting.
- Created survey forms for taking product feedback to make improvements.
- Increased average user retention from 1 month to 3 months.

Microsoft, Seattle, WA

Software Engineer I

Aug 2018 – Apr 2021

- Built migration tool called Group Policy Analytics that helps IT admins migrate policies/settings from group policy to cloud device management.
- Championed Group Policy Analytics product to being customer-ready within 1 year, and scaled it to support over 1k enterprise customers today.
- Implemented API that allowed IT Admins to upload group policy settings and receive a report that shows how many of their settings are supported in the Intune cloud service.

EDUCATION

Morehouse College, Atlanta, GA, B.S. Computer Science, Math Minor

May 2018