

01 WORK EXPERIENCE

- **Microsoft, Inc. | Redmond, WA** (Mar 2022-present)

Software Engineer II – Intune Mobile Application Management (MAM) Service team

Product development

 - Modernized app-lifecycle engineering by owning app onboarding; built automation that onboarded **50+ MAM-enabled apps** and cut monthly effort from **10-15 hours** to **under 30 minutes**.
 - Redesigned the distributed App Groups workflow, restoring asynchronous targeting and backfilling missed assignments to preserve policy integrity.
 - Designed the MAM API contract for an Edge adoption campaign reaching **2,000 critical customers**.

Platform modernization

 - Designed the architecture and implemented the modernization of Substrate delivery for Quiet Time policies across **2,300 tenants** and **175,000 users**, migrating policy delivery to a new API ahead of deprecation.
 - Migrated service telemetry to R9 and OpenTelemetry, modernizing success-rate and latency monitoring.
 - Converted **95 C# projects** from CoreXT to SDK-style builds.

Reporting

 - Designed and delivered MAM ReportingV2 end to end across data models, APIs, and UX, achieving **sub-five-second p95 query latency** at **multi-million-row scale** and enabling Copilot queries in Intune Explorer.

Operational leadership

 - Standardize operations through TSGs, runbooks, and repeatable service procedures.
 - Serve one-week On-Call Engineer (OCE) rotations every six weeks, leading high-severity investigations and cross-team mitigation.
 - Mentor **4+ engineers** to independent ownership of product and platform work.
- **Microsoft, Inc. | Redmond, WA** (Aug 2018-Mar 2022)

Software Engineer I – Intune MAM Service team

Product development

 - Architected app-group targeting for iOS/iPadOS and Android, replacing single-app targeting with collections while preserving policy relationships across **10+ million policies** and **25+ million devices**.
 - Owned end-to-end Microsoft 365 Apps delivery through Intune, reaching **20+ million devices per month**; served as EU-compliance accountable engineer.
 - Implemented mobile-application security settings across iOS/iPadOS and Android for **25+ million devices** per platform per month.

Platform modernization

 - Modernized MAM dependency-management and code-signing infrastructure while reducing coupling between service components.
 - Moved operational settings from code to configuration, eliminating the ~3-day deployment rollout previously required to change a setting.

Operational leadership

 - Served one-week OCE rotations every 10 weeks, investigating service health and coordinating mitigation.
- **Twitter, Inc. | San Francisco, CA** (May 2018-Aug 2018)

Software Engineering Intern – Advertiser Experience (AdEx) team

 - Built zip-code search algorithms for all targeted issue ad campaigns.
- **Snap, Inc. | Los Angeles, CA** (May 2017-Aug 2017)

 - Built resumable Android message uploads for **50+ million active users**.

02 TECHNICAL SKILLS

Languages	C# · TypeScript · SQL · Python
Frameworks	.NET · React
Telemetry Tools	Kusto (KQL) · OpenTelemetry
Platforms & APIs	Azure · Microsoft Graph · Microsoft 365 Substrate
AI Tools	GitHub Copilot · Anthropic Claude

03 EDUCATION

- **University of Washington** (2023)
Master of Science in Computational Linguistics
Advisor: Shane Steinert-Threlkeld, Ph.D.
- **University of Maryland, College Park** (2018)
Bachelor of Science in Computer Science
Bachelor of Arts in Linguistics – Grammars and Cognition concentration
Bachelor of Arts in Classical Languages and Literatures – Latin and Ancient Greek concentration

04 RESEARCH EXPERIENCE

- **University of Washington, CLMBR lab** (Sep 2022-May 2023)
 - Fine-tuned mBART with emergent communication in an image-reference game.
 - Tested cross-lingual alignment by captioning images in Language A, translating to Language B, and selecting the target image.
- **OpenAI, Inc. – Research Scholar** (May 2018-Aug 2018)
 - Applied the Transformer architecture to parallel multilingual corpora and evaluated it on SemEval-2017 Task 1 (English–Spanish STS).
 - Final project featured in OpenAI's [2018 Scholars cohort publication](#) .

05 VOLUNTEER EXPERIENCE

- **Black at Microsoft (BAM)** (2019-present)
 - MGMT-BAM chapter – Co-Lead** 2023-present
 - Lead chapter programming, including community calls, lunches, and the 2026 Black History Month observance.
 - Technical Bammers – Co-Lead** 2020-2022
 - Sourced speakers and sustained virtual technical and career programming through COVID-19.
 - BAM Innovation Conference – Technical Sessions Lead** 2019-2020
 - Led technical-session topics and speakers for the 2019–2020 conferences, including accessible gaming, ethical AI, and wearables; reached **approximately 1,500 external attendees** in 2019.
- **BAM Summer Intern Experience – Mentorship Lead** (2019, 2020)
 - Designed and implemented mentorship programming for **160 mentor/mentee pairs**.
 - Moderated an Xbox executive panel on growth through diversity.
- **FixHackLearn Hackathon – Inclusive Camera Co-Lead** (Nov 2018)
 - Developed machine-learning recommendations to improve rendering of darker skin tones in low light and mixed-complexion scenes.