
Madison Snyder

Software Engineer

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About Me

Results-driven full-stack Software Engineer with 6 years of experience at Microsoft on the Excel AI Agent team, specializing in developing data-driven measures to assess feature success. Proven track record as a project lead, driving initiatives from conception to execution. Passionate about fostering an inclusive and collaborative team culture, with hands-on experience leading inclusion initiatives. Adept at balancing technical excellence with a commitment to workplace engagement and team development.

Skills

- **Programming Languages:** C++, Java, JavaScript (Node.js, React), TypeScript
- **Databases:** Kusto, MySQL
- **Tools & Frameworks:** Git, Express.js, React Native
- **Collaboration & Leadership:** Cross-functional Team Collaboration, Mentoring Junior Engineers, Technical Documentation & Knowledge Sharing

Education

University of Southern California - B.S.
Computer Science

EXPERIENCE

Microsoft · Software Engineer II

JUNE 2019 - PRESENT - Seattle, WA

Excel AI Agent · User Success Team

- Project Lead for the team defining user success metrics, including designing, implementing, and maintaining systems to track OKRs and on-demand reporting
- Partnered with Project Managers and Senior Leadership to deliver high-quality results under tight deadlines in a fast-paced setting

Excel AI · Engagement Team

- Project Lead for team defining and measuring end-user engagement
- Led multi-project workgroup to drive consensus on engagement metrics
- Established the dashboard that was used to report weekly updates to our Senior Leadership Team

Excel · Feature Experimentation Based on Customer Usage

- Lead data-driven experiments based on customer usage
 - Emphasis on UI/UX changes, and quick iterations of small-scale features
 - Collaborated with Project Managers to define business goals and developed reverse-engineered strategies to achieve them

Excel · Feature Deprecation

- Led the deprecation of a cross-platform feature impacting over one million users, ensuring a smooth transition and minimal disruption
 - Coordinated with legal and service teams across regions and platforms to ensure compliance and prevent contract breaches

Excel · Testing Infrastructure

- Created a testing infrastructure for a custom data type to ensure the stability of the product

Excel · Culture Initiatives + Impact

- Lead culture and inclusion initiatives, serving as a line of honest communication between ICs and management
 - Led a crew dedicated to promoting learning in our organization
 - Active member in our 'culture crew', which organizes events, analyzes feedback from engineers, and proposes initiatives to handle concerns
- Summer of 2021 Internship Program Lead
 - Served as a cross-team resource and mentor
 - Hosted social events to promote the team culture
- Go-to mentor who is responsible for onboarding new engineers to the team
- Active participant in various mentorship programs for interns and early in career employees
 - Take a special interest in minorities and helping engineers move to the next stage of their careers

GoDaddy · *Software Engineer Intern*

SUMMER 2018 - Phoenix, AZ

- Worked as a front-end developer upgrading elements from Ember to React, through a converting rule engine that dynamically created React UI elements
- Created an automated UI testing script to be run for QA testing

Avalara · *Software Engineer Intern*

SUMMER 2016 · SUMMER 2017 - Seattle, WA

- Worked on lifting the design and functionality of the developer website
- Helped create and maintain the business flow between different sales platforms, with an emphasis on Salesforce and the creation of Boomi Processes

Sigma Coding · *Teacher*

SPRING 2017 - Los Angeles, CA

- Taught 4th- 8th graders how to code using Scratch in 5-week programs